

FIG. 1

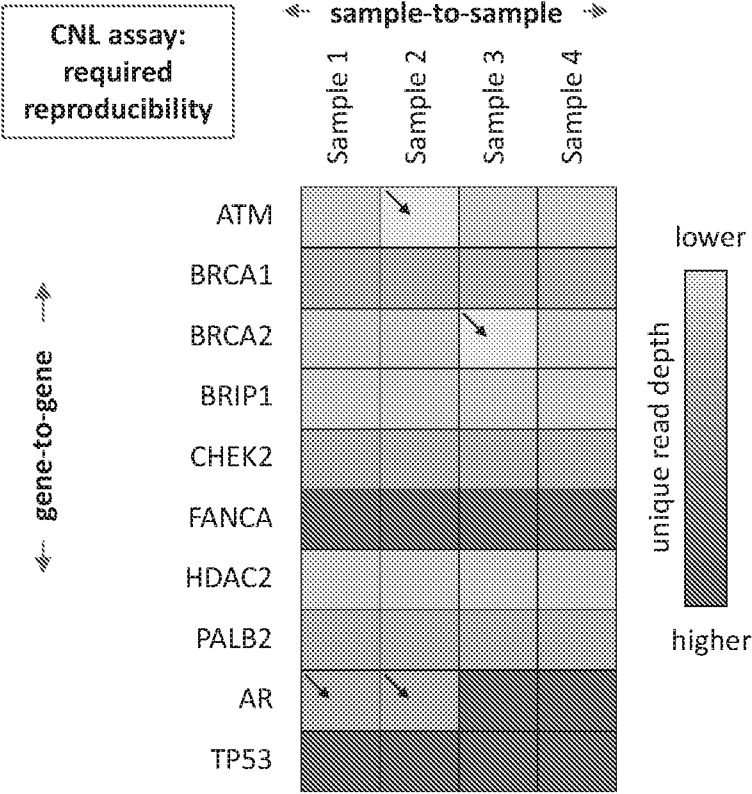


FIG. 2

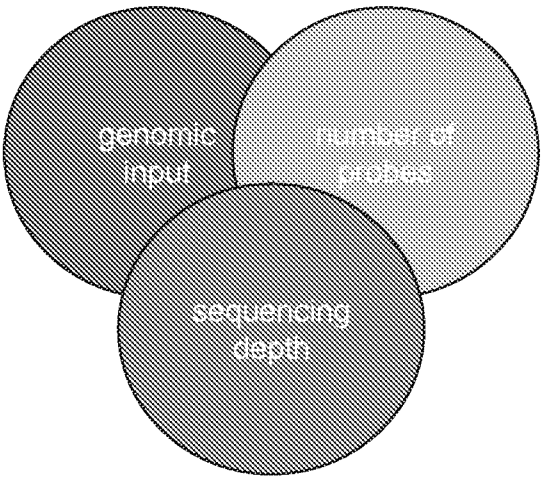


FIG. 3

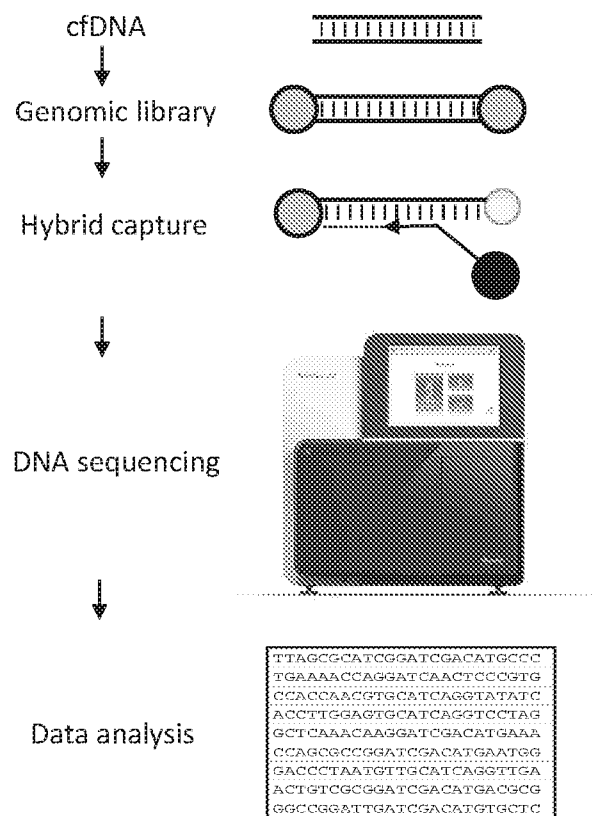


FIG. 4A

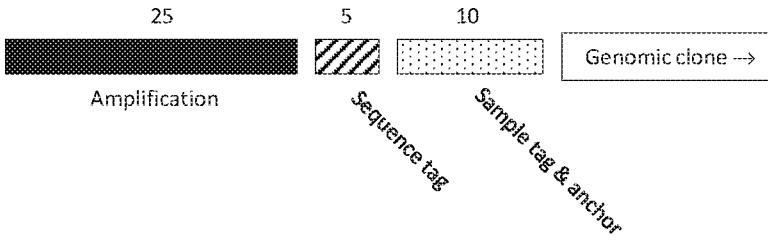
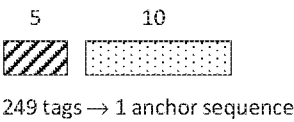


FIG. 4B



4/104

FIG. 4C

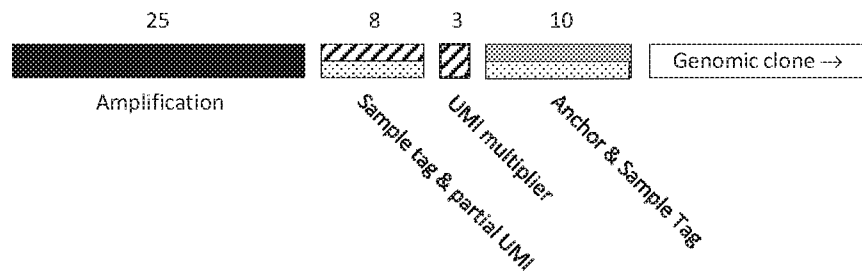


FIG. 4D

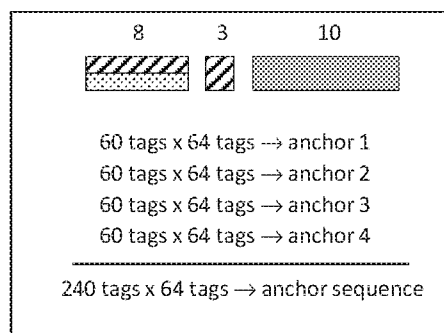


FIG. 4E



FIG. 6

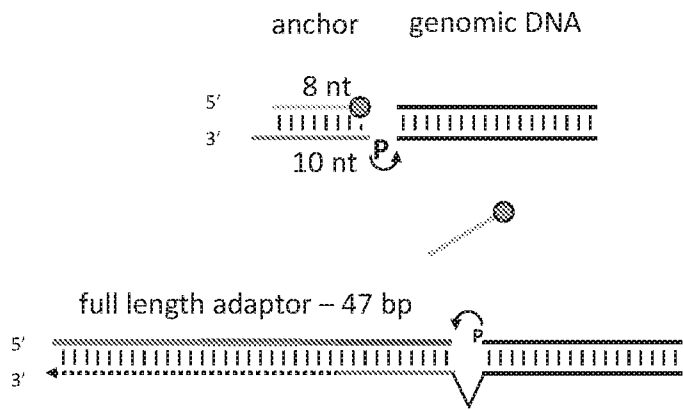


FIG. 7

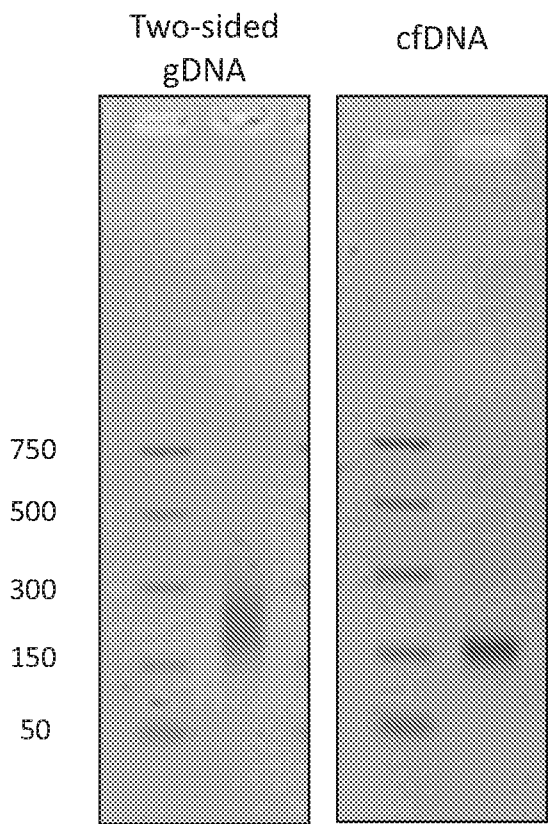


FIG. 8A

Sample	Input
Sample 1	Female gDNA + 8% BRCA2 delete
Sample 2	Female gDNA + 4% BRCA2 delete
Sample 3	Female gDNA + 2% BRCA2 delete
Sample 4	Pure Female gDNA
Sample 5	Female gDNA + 8% ATM delete
Sample 6	Female gDNA + 4% ATM delete
Sample 7	Female gDNA + 2% ATM delete
Sample 8	Pure Female gDNA

FIG. 8B

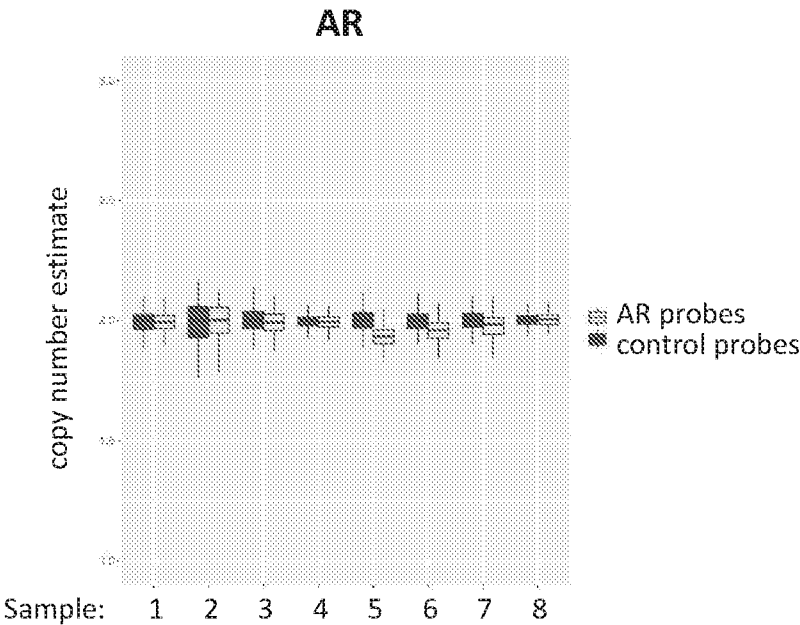


FIG. 8C

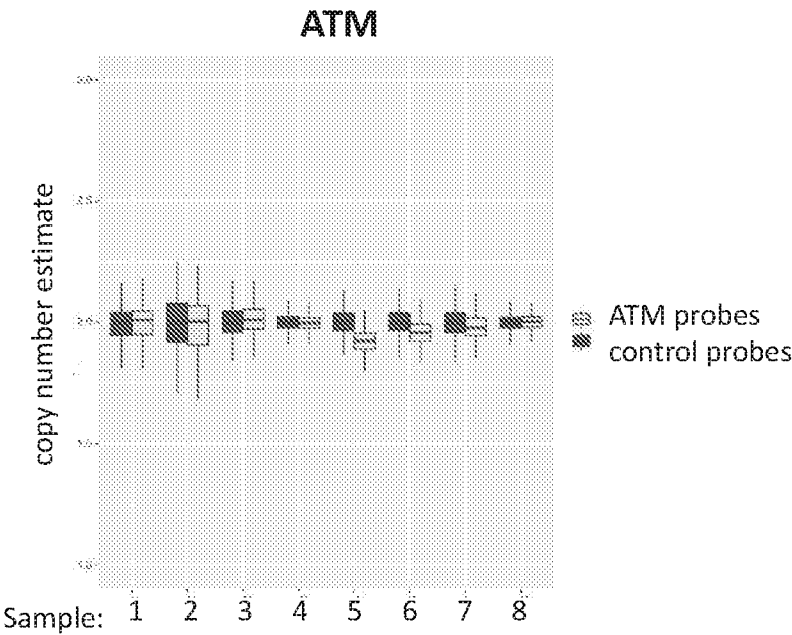


FIG. 9A

Sample	Input
Sample 1	Female gDNA + 8% BRCA2 delete
Sample 2	Female gDNA + 4% BRCA2 delete
Sample 3	Female gDNA + 2% BRCA2 delete
Sample 4	Pure Female gDNA
Sample 5	Female gDNA + 8% ATM delete
Sample 6	Female gDNA + 4% ATM delete
Sample 7	Female gDNA + 2% ATM delete
Sample 8	Pure Female gDNA

FIG. 9B

Measured Δ BRCA2 SNP frequency: 5.3 2.4 0.8
Measured Δ ATM SNP frequency: 5.2 2.2 1.3

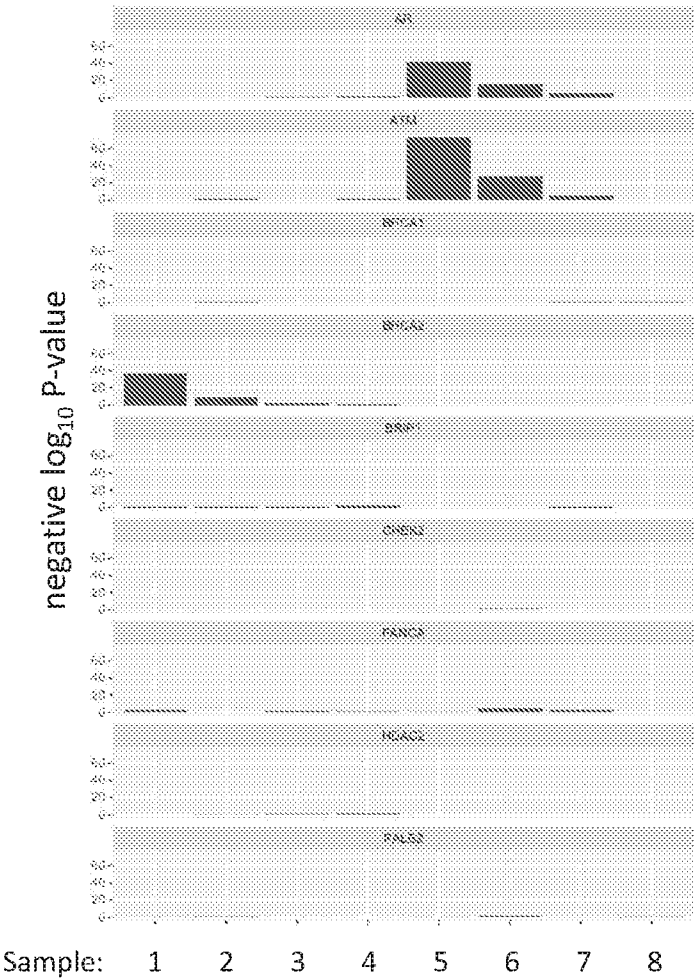


FIG. 11A

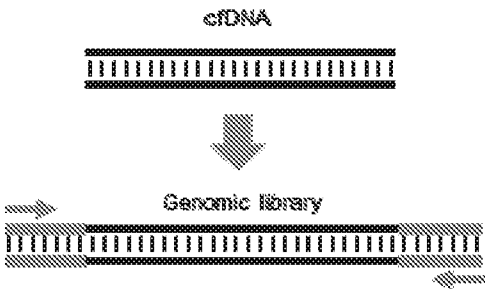


FIG. 11B

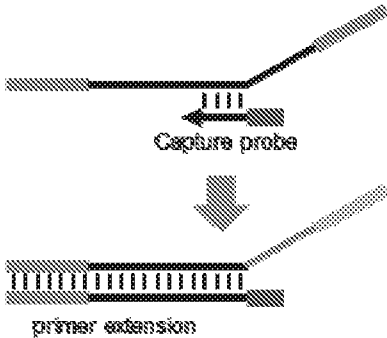


FIG. 11C

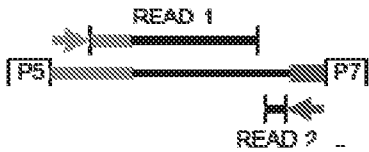


FIG. 11D

Distribution of targeted sequencing reads

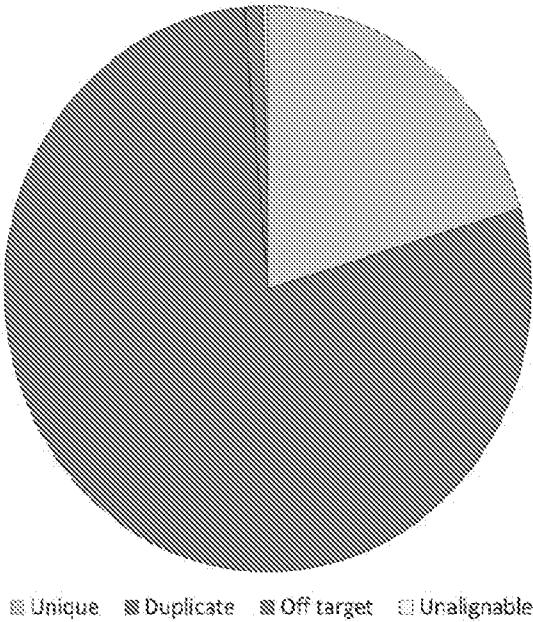


FIG. 12A

Pool-1	SEQ ID NO:	Pool-2	SEQ ID NO:	Pool-3	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA	9	TGCAGGACCAGAGAATTCGAATA	249	TGCAGGACCAGAGAATTCGAATA	489
CACGAGCTTANNNACGTATGCCA		CACCCTGTGNNNACGTATGCCA		CAACGTCAACNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	10	TGCAGGACCAGAGAATTCGAATA	250	TGCAGGACCAGAGAATTCGAATA	490
CATTGCTCACNNNACGTATGCCA		CATATCAATGNNNACGTATGCCA		CAGTGTCTAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	11	TGCAGGACCAGAGAATTCGAATA	251	TGCAGGACCAGAGAATTCGAATA	491
CATAATACACNNNACGTATGCCA		CACTGCAGATNNNACGTATGCCA		CAGCGCCAGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	12	TGCAGGACCAGAGAATTCGAATA	252	TGCAGGACCAGAGAATTCGAATA	492
CATCAGCATGNNNACGTATGCCA		CAATCGGATCINNACGTATGCCA		CAGCTCTGAANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	13	TGCAGGACCAGAGAATTCGAATA	253	TGCAGGACCAGAGAATTCGAATA	493
CAACTGTAGCINNACGTATGCCA		CACGTGTCCANNNACGTATGCCA		CAAGACTTGCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	14	TGCAGGACCAGAGAATTCGAATA	254	TGCAGGACCAGAGAATTCGAATA	494
CAATTATGCANNNACGTATGCCA		CATCACATTTNNNACGTATGCCA		CAGATGGTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	15	TGCAGGACCAGAGAATTCGAATA	255	TGCAGGACCAGAGAATTCGAATA	495
CATGACCTTCNNNACGTATGCCA		CAGCGTGGCTNNNACGTATGCCA		CATTGTGAATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	16	TGCAGGACCAGAGAATTCGAATA	256	TGCAGGACCAGAGAATTCGAATA	496
CAAAAATCCTNNNACGTATGCCA		CACGGAGTAANNNACGTATGCCA		CACAGCGCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	17	TGCAGGACCAGAGAATTCGAATA	257	TGCAGGACCAGAGAATTCGAATA	497
CAGGTTCCGGNNNACGTATGCCA		CAGTGTCCGGNNNACGTATGCCA		CATGCCAAGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	18	TGCAGGACCAGAGAATTCGAATA	258	TGCAGGACCAGAGAATTCGAATA	498
CAACGTGCATNNNACGTATGCCA		CATATTGTAGNNNACGTATGCCA		CACGTGCTTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	19	TGCAGGACCAGAGAATTCGAATA	259	TGCAGGACCAGAGAATTCGAATA	499
CACGCCCATNNNACGTATGCCA		CATAGTATTGNNNACGTATGCCA		CACCAACGGCINNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	20	TGCAGGACCAGAGAATTCGAATA	260	TGCAGGACCAGAGAATTCGAATA	500
CAGTAAGCCTNNNACGTATGCCA		CAAGCGCTTANNNACGTATGCCA		CACAGTTATANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	21	TGCAGGACCAGAGAATTCGAATA	261	TGCAGGACCAGAGAATTCGAATA	501
CAAGTAATAGNNNACGTATGCCA		CATGCAAGTTNNNACGTATGCCA		CACGAAGGCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	22	TGCAGGACCAGAGAATTCGAATA	262	TGCAGGACCAGAGAATTCGAATA	502
CAAAGTCCCANNNACGTATGCCA		CACCTCCGGTNNNACGTATGCCA		CAATGGGTACNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	23	TGCAGGACCAGAGAATTCGAATA	263	TGCAGGACCAGAGAATTCGAATA	503
CAAGTGCATCINNACGTATGCCA		CAAGACGGATNNNACGTATGCCA		CATCGCATGANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	24	TGCAGGACCAGAGAATTCGAATA	264	TGCAGGACCAGAGAATTCGAATA	504
CAGACATATTNNNACGTATGCCA		CATCTGTCTGNNNACGTATGCCA		CAATATCCTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	25	TGCAGGACCAGAGAATTCGAATA	265	TGCAGGACCAGAGAATTCGAATA	505
CAGTCCACAANNNACGTATGCCA		CATTACCGTNNNACGTATGCCA		CATGAAGCAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	26	TGCAGGACCAGAGAATTCGAATA	266	TGCAGGACCAGAGAATTCGAATA	506
CATCTCAGAGNNNACGTATGCCA		CACGTAAGGNNNACGTATGCCA		CAGACCACCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	27	TGCAGGACCAGAGAATTCGAATA	267	TGCAGGACCAGAGAATTCGAATA	507
CAAAAACGTANNNACGTATGCCA		CAAGAAAGTANNNACGTATGCCA		CAAGATTAGANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	28	TGCAGGACCAGAGAATTCGAATA	268	TGCAGGACCAGAGAATTCGAATA	508
CACTACCAAGNNNACGTATGCCA		CAAGTAGTTTNNNACGTATGCCA		CAAGATCTATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	29	TGCAGGACCAGAGAATTCGAATA	269	TGCAGGACCAGAGAATTCGAATA	509
CACCTGACTTNNNACGTATGCCA		CAGGTACCTANNNACGTATGCCA		CAACGTACACNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	30	TGCAGGACCAGAGAATTCGAATA	270	TGCAGGACCAGAGAATTCGAATA	510
CACCTCCTATGNNNACGTATGCCA		CAGAAGCACANNNACGTATGCCA		CACGGTTACANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	31	TGCAGGACCAGAGAATTCGAATA	271	TGCAGGACCAGAGAATTCGAATA	511
CAATCATGATNNNACGTATGCCA		CACATAATAACNNNACGTATGCCA		CAAAACCTATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	32	TGCAGGACCAGAGAATTCGAATA	272	TGCAGGACCAGAGAATTCGAATA	512
CATGACGGTNNNACGTATGCCA		CAACGGACAANNNACGTATGCCA		CACCTGATTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	33	TGCAGGACCAGAGAATTCGAATA	273	TGCAGGACCAGAGAATTCGAATA	513
CAGTCGGCTNNNACGTATGCCA		CAATCCAGTNNNACGTATGCCA		CATGAATATCINNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	34	TGCAGGACCAGAGAATTCGAATA	274	TGCAGGACCAGAGAATTCGAATA	514
CAGTTACCCTNNNACGTATGCCA		CAGGACAACANNNACGTATGCCA		CAACTGCGCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	35	TGCAGGACCAGAGAATTCGAATA	275	TGCAGGACCAGAGAATTCGAATA	515
CACCTTAACGNNNACGTATGCCA		CAGAAAGTTANNNACGTATGCCA		CAGAACGACANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	36	TGCAGGACCAGAGAATTCGAATA	276	TGCAGGACCAGAGAATTCGAATA	516
CACGCTCCTGNNNACGTATGCCA		CAAAACACAGGNNNACGTATGCCA		CATATATTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	37	TGCAGGACCAGAGAATTCGAATA	277	TGCAGGACCAGAGAATTCGAATA	517
CATCTCGGTNNNACGTATGCCA		CACCAGAAATCINNACGTATGCCA		CATAGATGCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	38	TGCAGGACCAGAGAATTCGAATA	278	TGCAGGACCAGAGAATTCGAATA	518
CAGCTCGAGCINNACGTATGCCA		CATTCAACACINNACGTATGCCA		CAGCAAGTAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	39	TGCAGGACCAGAGAATTCGAATA	279	TGCAGGACCAGAGAATTCGAATA	519
CACGCTTCGNNNACGTATGCCA		CATCGAGAGANNNACGTATGCCA		CAAAACGACCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	40	TGCAGGACCAGAGAATTCGAATA	280	TGCAGGACCAGAGAATTCGAATA	520
CAATCCAGACNNNACGTATGCCA		CACGATGTCANNNACGTATGCCA		CAGTACAGTCINNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	41	TGCAGGACCAGAGAATTCGAATA	281	TGCAGGACCAGAGAATTCGAATA	521
CATAGCACTGNNNACGTATGCCA		CACGGCAGGANNNACGTATGCCA		CATATGCGGTNNNACGTATGCCA	

FIG. 12B

Pool-1	SEQ ID NO:	Pool-2	SEQ ID NO:	Pool-3	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA	42	TGCAGGACCAGAGAATTCGAATA	282	TGCAGGACCAGAGAATTCGAATA	522
CACTGGCTTTNNNACGTATGCCA		CAAGAACCAGNNNACGTATGCCA		CAATAATAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	43	TGCAGGACCAGAGAATTCGAATA	283	TGCAGGACCAGAGAATTCGAATA	523
CAGCAAATGGNNNACGTATGCCA		CAGATTTTGANNNACGTATGCCA		CAGTTACTAANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	44	TGCAGGACCAGAGAATTCGAATA	284	TGCAGGACCAGAGAATTCGAATA	524
CAGGATGACANNNACGTATGCCA		CAAAACACGTCNNNACGTATGCCA		CACCCCTTGANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	45	TGCAGGACCAGAGAATTCGAATA	285	TGCAGGACCAGAGAATTCGAATA	525
CAGCCCCACTNNNACGTATGCCA		CAACCTCTACNNNACGTATGCCA		CAACATTTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	46	TGCAGGACCAGAGAATTCGAATA	286	TGCAGGACCAGAGAATTCGAATA	526
CACTAGCCGGNNNACGTATGCCA		CAGGCGTTTANNNACGTATGCCA		CACCCGACTTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	47	TGCAGGACCAGAGAATTCGAATA	287	TGCAGGACCAGAGAATTCGAATA	527
CACCCCTCCTCNNNACGTATGCCA		CACCCGAAGCANNNACGTATGCCA		CATATGAACNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	48	TGCAGGACCAGAGAATTCGAATA	288	TGCAGGACCAGAGAATTCGAATA	528
CATGTAGTGCNNNACGTATGCCA		CATACCTACCNNNACGTATGCCA		CATTCTTTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	49	TGCAGGACCAGAGAATTCGAATA	289	TGCAGGACCAGAGAATTCGAATA	529
CAGAATGTGGNNNACGTATGCCA		CATTTACGCCNNNACGTATGCCA		CAATAGGTTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	50	TGCAGGACCAGAGAATTCGAATA	290	TGCAGGACCAGAGAATTCGAATA	530
CAAATGATCTNNNACGTATGCCA		CAAGGTATGGNNNACGTATGCCA		CACGACGTTANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	51	TGCAGGACCAGAGAATTCGAATA	291	TGCAGGACCAGAGAATTCGAATA	531
CACACTAACGNNNACGTATGCCA		CAACTACAATNNNACGTATGCCA		CAAGCATAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	52	TGCAGGACCAGAGAATTCGAATA	292	TGCAGGACCAGAGAATTCGAATA	532
CACGTCCGACNNNACGTATGCCA		CACCTCTCAANNNACGTATGCCA		CACCTGCATCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	53	TGCAGGACCAGAGAATTCGAATA	293	TGCAGGACCAGAGAATTCGAATA	533
CAGCAACTTGNNNACGTATGCCA		CAGATACAAANNNACGTATGCCA		CACGACGCCANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	54	TGCAGGACCAGAGAATTCGAATA	294	TGCAGGACCAGAGAATTCGAATA	534
CACGGTGGAGNNNACGTATGCCA		CACCAACACANNNACGTATGCCA		CAAAACGCCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	55	TGCAGGACCAGAGAATTCGAATA	295	TGCAGGACCAGAGAATTCGAATA	535
CAGTAACCGTNNNACGTATGCCA		CAACCCATTNNNACGTATGCCA		CACCTCTCGATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	56	TGCAGGACCAGAGAATTCGAATA	296	TGCAGGACCAGAGAATTCGAATA	536
CATAGTTTTNNNACGTATGCCA		CATCTAAGCGNNNACGTATGCCA		CACCCCTGACNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	57	TGCAGGACCAGAGAATTCGAATA	297	TGCAGGACCAGAGAATTCGAATA	537
CACCTGTGTTNNNACGTATGCCA		CACCTAAGGCGNNNACGTATGCCA		CAGTTGTATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	58	TGCAGGACCAGAGAATTCGAATA	298	TGCAGGACCAGAGAATTCGAATA	538
CATTTCGAGGTNNNACGTATGCCA		CACGAATCCANNNACGTATGCCA		CAAAAAGACTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	59	TGCAGGACCAGAGAATTCGAATA	299	TGCAGGACCAGAGAATTCGAATA	539
CACCTCCACGNNNACGTATGCCA		CACAACCTAATNNNACGTATGCCA		CATCCTAGCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	60	TGCAGGACCAGAGAATTCGAATA	300	TGCAGGACCAGAGAATTCGAATA	540
CAGAGACTAGNNNACGTATGCCA		CATCACACCTNNNACGTATGCCA		CAACCAAGGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	61	TGCAGGACCAGAGAATTCGAATA	301	TGCAGGACCAGAGAATTCGAATA	541
CATGAACTATNNNACGTATGCCA		CAGACCGTCGNNNACGTATGCCA		CAACGAGTTCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	62	TGCAGGACCAGAGAATTCGAATA	302	TGCAGGACCAGAGAATTCGAATA	542
CAGTTGATTANNNACGTATGCCA		CACCTTTAAGANNNACGTATGCCA		CACCTATGGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	63	TGCAGGACCAGAGAATTCGAATA	303	TGCAGGACCAGAGAATTCGAATA	543
CATCCACTCANNNACGTATGCCA		CATGTGATTANNNACGTATGCCA		CACCAACGTCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	64	TGCAGGACCAGAGAATTCGAATA	304	TGCAGGACCAGAGAATTCGAATA	544
CAGTGACTGTNNNACGTATGCCA		CAACCCCAATGNNNACGTATGCCA		CAGAATCGCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	65	TGCAGGACCAGAGAATTCGAATA	305	TGCAGGACCAGAGAATTCGAATA	545
CATTACGGCANNNACGTATGCCA		CAACGCTGTACNNNACGTATGCCA		CAAGTGTTATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	66	TGCAGGACCAGAGAATTCGAATA	306	TGCAGGACCAGAGAATTCGAATA	546
CACACCTCCGNNNACGTATGCCA		CAATGAAATGNNNACGTATGCCA		CAACGCGTCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	67	TGCAGGACCAGAGAATTCGAATA	307	TGCAGGACCAGAGAATTCGAATA	547
CAAAGAAGAANNNACGTATGCCA		CATCCTCGTANNNACGTATGCCA		CACCTCGTGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	68	TGCAGGACCAGAGAATTCGAATA	308	TGCAGGACCAGAGAATTCGAATA	548
CAGAACCTGTNNNACGTATGCCA		CAGTAACAGGNNNACGTATGCCA		CATTGTAGATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	69	TGCAGGACCAGAGAATTCGAATA	309	TGCAGGACCAGAGAATTCGAATA	549
CAGAATAACANNNCTAGCGTTAC		CAACTCGGTANNNCTAGCGTTAC		CAGCCGCAGTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	70	TGCAGGACCAGAGAATTCGAATA	310	TGCAGGACCAGAGAATTCGAATA	550
CAGCCTCGTCNNNCTAGCGTTAC		CAACGCTTAGNNNCTAGCGTTAC		CAAGTGACGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	71	TGCAGGACCAGAGAATTCGAATA	311	TGCAGGACCAGAGAATTCGAATA	551
CACCCGCACNNNCTAGCGTTAC		CATCAAGCTGNNNCTAGCGTTAC		CAATACCTCCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	72	TGCAGGACCAGAGAATTCGAATA	312	TGCAGGACCAGAGAATTCGAATA	552
CACCACGATANNNCTAGCGTTAC		CATAGCTAATNNNCTAGCGTTAC		CACCTTTTGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	73	TGCAGGACCAGAGAATTCGAATA	313	TGCAGGACCAGAGAATTCGAATA	553
CACGGTACATNNNCTAGCGTTAC		CACGGCATTANNNCTAGCGTTAC		CAATATCATGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	74	TGCAGGACCAGAGAATTCGAATA	314	TGCAGGACCAGAGAATTCGAATA	554
CACCATATCCNNNCTAGCGTTAC		CAAATGATGANNNCTAGCGTTAC		CATACATATGNNNCTAGCGTTAC	

FIG. 12C

Pool-1	SEQ ID NO:	Pool-2	SEQ ID NO:	Pool-3	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CACATACGGTNNNCTAGCGTTAC	75	TGCAGGACCAGAGAATTCGAATA CATCGCGATANNNCTAGCGTTAC	315	TGCAGGACCAGAGAATTCGAATA CAACTTTTGTNNNCTAGCGTTAC	555
TGCAGGACCAGAGAATTCGAATA CAAATAGCTTNNNCTAGCGTTAC	76	TGCAGGACCAGAGAATTCGAATA CACACAGGTTNNNCTAGCGTTAC	316	TGCAGGACCAGAGAATTCGAATA CATAATGTACNNNCTAGCGTTAC	556
TGCAGGACCAGAGAATTCGAATA CACCAGGTATNNNCTAGCGTTAC	77	TGCAGGACCAGAGAATTCGAATA CAACGGTGCCNNNCTAGCGTTAC	317	TGCAGGACCAGAGAATTCGAATA CAAACGACAGNNNCTAGCGTTAC	557
TGCAGGACCAGAGAATTCGAATA CACAACCTGANNNCTAGCGTTAC	78	TGCAGGACCAGAGAATTCGAATA CAGTTACAGCINNCTAGCGTTAC	318	TGCAGGACCAGAGAATTCGAATA CAGCTCCTATNNNCTAGCGTTAC	558
TGCAGGACCAGAGAATTCGAATA CATGATGGTCNNNCTAGCGTTAC	79	TGCAGGACCAGAGAATTCGAATA CATGCGATGTNNNCTAGCGTTAC	319	TGCAGGACCAGAGAATTCGAATA CACCAGAACTNNNCTAGCGTTAC	559
TGCAGGACCAGAGAATTCGAATA CAGGAGCCGANNNCTAGCGTTAC	80	TGCAGGACCAGAGAATTCGAATA CAATGGTGCTNNNCTAGCGTTAC	320	TGCAGGACCAGAGAATTCGAATA CAGCTAGGAANNNCTAGCGTTAC	560
TGCAGGACCAGAGAATTCGAATA CAATGCGGCCNNNCTAGCGTTAC	81	TGCAGGACCAGAGAATTCGAATA CAACCCAGGNNNCTAGCGTTAC	321	TGCAGGACCAGAGAATTCGAATA CAGCTTCCGCGNNNCTAGCGTTAC	561
TGCAGGACCAGAGAATTCGAATA CATGCTGTAGNNNCTAGCGTTAC	82	TGCAGGACCAGAGAATTCGAATA CAGCAGACGGNNNCTAGCGTTAC	322	TGCAGGACCAGAGAATTCGAATA CAACAGCATCNNNCTAGCGTTAC	562
TGCAGGACCAGAGAATTCGAATA CAGCATTGACNNNCTAGCGTTAC	83	TGCAGGACCAGAGAATTCGAATA CACTGGCAGCINNCTAGCGTTAC	323	TGCAGGACCAGAGAATTCGAATA CAACGAGAGTNNNCTAGCGTTAC	563
TGCAGGACCAGAGAATTCGAATA CATTTGTACTNNNCTAGCGTTAC	84	TGCAGGACCAGAGAATTCGAATA CAAGAGAGTCNNNCTAGCGTTAC	324	TGCAGGACCAGAGAATTCGAATA CAATCATATGNNNCTAGCGTTAC	564
TGCAGGACCAGAGAATTCGAATA CACATATGGCINNCTAGCGTTAC	85	TGCAGGACCAGAGAATTCGAATA CACGTTTTATNNNCTAGCGTTAC	325	TGCAGGACCAGAGAATTCGAATA CATGAGATTTNNNCTAGCGTTAC	565
TGCAGGACCAGAGAATTCGAATA CAGCATGAAGNNNCTAGCGTTAC	86	TGCAGGACCAGAGAATTCGAATA CAAGAGGTCANNNCTAGCGTTAC	326	TGCAGGACCAGAGAATTCGAATA CAGCCGGCCGNNNCTAGCGTTAC	566
TGCAGGACCAGAGAATTCGAATA CACAGGAAACNNNCTAGCGTTAC	87	TGCAGGACCAGAGAATTCGAATA CATTTCTCTCINNCTAGCGTTAC	327	TGCAGGACCAGAGAATTCGAATA CAAGGCGCAGNNNCTAGCGTTAC	567
TGCAGGACCAGAGAATTCGAATA CACCTAAGACNNNCTAGCGTTAC	88	TGCAGGACCAGAGAATTCGAATA CACGTGTCTTNNNCTAGCGTTAC	328	TGCAGGACCAGAGAATTCGAATA CAGTACACACNNNCTAGCGTTAC	568
TGCAGGACCAGAGAATTCGAATA CAACCTAGGTNNNCTAGCGTTAC	89	TGCAGGACCAGAGAATTCGAATA CACTCAGCAANNNCTAGCGTTAC	329	TGCAGGACCAGAGAATTCGAATA CAAGATTTTANNNCTAGCGTTAC	569
TGCAGGACCAGAGAATTCGAATA CACCATTGTNNNCTAGCGTTAC	90	TGCAGGACCAGAGAATTCGAATA CATCTTATGTNNNCTAGCGTTAC	330	TGCAGGACCAGAGAATTCGAATA CATGCACTCTNNNCTAGCGTTAC	570
TGCAGGACCAGAGAATTCGAATA CATCGGTTTTNNNCTAGCGTTAC	91	TGCAGGACCAGAGAATTCGAATA CATCGGCACGNNNCTAGCGTTAC	331	TGCAGGACCAGAGAATTCGAATA CACTCAGAGTNNNCTAGCGTTAC	571
TGCAGGACCAGAGAATTCGAATA CACACCTGTNNNCTAGCGTTAC	92	TGCAGGACCAGAGAATTCGAATA CACGTTTTCTGNNNCTAGCGTTAC	332	TGCAGGACCAGAGAATTCGAATA CAACTCTGTCTNNNCTAGCGTTAC	572
TGCAGGACCAGAGAATTCGAATA CAAGAGACAGNNNCTAGCGTTAC	93	TGCAGGACCAGAGAATTCGAATA CAATGTGAGGNNNCTAGCGTTAC	333	TGCAGGACCAGAGAATTCGAATA CATTATCCGCGNNNCTAGCGTTAC	573
TGCAGGACCAGAGAATTCGAATA CAATGGCCCGNNNCTAGCGTTAC	94	TGCAGGACCAGAGAATTCGAATA CAAGAAACATNNNCTAGCGTTAC	334	TGCAGGACCAGAGAATTCGAATA CAGCCCTTGCNNNCTAGCGTTAC	574
TGCAGGACCAGAGAATTCGAATA CATAGCGTGTNNNCTAGCGTTAC	95	TGCAGGACCAGAGAATTCGAATA CAGAGAGAGNNNCTAGCGTTAC	335	TGCAGGACCAGAGAATTCGAATA CAAACTTCTTNNNCTAGCGTTAC	575
TGCAGGACCAGAGAATTCGAATA CAGAAACACNNNCTAGCGTTAC	96	TGCAGGACCAGAGAATTCGAATA CACTTCAGGANNNCTAGCGTTAC	336	TGCAGGACCAGAGAATTCGAATA CATTGTAGGCGNNNCTAGCGTTAC	576
TGCAGGACCAGAGAATTCGAATA CATCATTTGTNNNCTAGCGTTAC	97	TGCAGGACCAGAGAATTCGAATA CATCCCTCGGNNNCTAGCGTTAC	337	TGCAGGACCAGAGAATTCGAATA CATGACCCAAANNNCTAGCGTTAC	577
TGCAGGACCAGAGAATTCGAATA CATCGAACACNNNCTAGCGTTAC	98	TGCAGGACCAGAGAATTCGAATA CACCTTCCCTNNNCTAGCGTTAC	338	TGCAGGACCAGAGAATTCGAATA CACCTCTGTANNNCTAGCGTTAC	578
TGCAGGACCAGAGAATTCGAATA CAAGCTTACGNNNCTAGCGTTAC	99	TGCAGGACCAGAGAATTCGAATA CATAGTTATGNNNCTAGCGTTAC	339	TGCAGGACCAGAGAATTCGAATA CAAGCCACTANNNCTAGCGTTAC	579
TGCAGGACCAGAGAATTCGAATA CACTCGGTTTTNNNCTAGCGTTAC	100	TGCAGGACCAGAGAATTCGAATA CAGCATAGAGNNNCTAGCGTTAC	340	TGCAGGACCAGAGAATTCGAATA CATGTATGATNNNCTAGCGTTAC	580
TGCAGGACCAGAGAATTCGAATA CAAAATCGTTANNNCTAGCGTTAC	101	TGCAGGACCAGAGAATTCGAATA CATAGCTCCTNNNCTAGCGTTAC	341	TGCAGGACCAGAGAATTCGAATA CACAGGTCCGNNNCTAGCGTTAC	581
TGCAGGACCAGAGAATTCGAATA CATAACAGTTNNNCTAGCGTTAC	102	TGCAGGACCAGAGAATTCGAATA CAACCACGTANNNCTAGCGTTAC	342	TGCAGGACCAGAGAATTCGAATA CATTTTTTTTTNNNCTAGCGTTAC	582
TGCAGGACCAGAGAATTCGAATA CAATCCTGTNNNCTAGCGTTAC	103	TGCAGGACCAGAGAATTCGAATA CACATCGTCTNNNCTAGCGTTAC	343	TGCAGGACCAGAGAATTCGAATA CATTTCGCGANNNCTAGCGTTAC	583
TGCAGGACCAGAGAATTCGAATA CAGTAATGTTNNNCTAGCGTTAC	104	TGCAGGACCAGAGAATTCGAATA CAAGAGATTANNNCTAGCGTTAC	344	TGCAGGACCAGAGAATTCGAATA CAAGCCTGTANNNCTAGCGTTAC	584
TGCAGGACCAGAGAATTCGAATA CAATGCGCGGNNNCTAGCGTTAC	105	TGCAGGACCAGAGAATTCGAATA CAATCAAGANNNCTAGCGTTAC	345	TGCAGGACCAGAGAATTCGAATA CAGCGGCACCTNNNCTAGCGTTAC	585
TGCAGGACCAGAGAATTCGAATA CAGTCAGGAANNNCTAGCGTTAC	106	TGCAGGACCAGAGAATTCGAATA CAGGAGTACANNNCTAGCGTTAC	346	TGCAGGACCAGAGAATTCGAATA CATGTTGAGCINNCTAGCGTTAC	586
TGCAGGACCAGAGAATTCGAATA CAGTTAAAGNNNCTAGCGTTAC	107	TGCAGGACCAGAGAATTCGAATA CAATAGCAGGNNNCTAGCGTTAC	347	TGCAGGACCAGAGAATTCGAATA CAAAAAGTTGNNNCTAGCGTTAC	587

FIG. 12D

Pool-1	SEQ ID NO:	Pool-2	SEQ ID NO:	Pool-3	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA	108	TGCAGGACCAGAGAATTCGAATA	348	TGCAGGACCAGAGAATTCGAATA	588
CATGTCTAANNCTAGCGTTAC		CATCTAATTCTNNCTAGCGTTAC		CACGGTGCCANNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	109	TGCAGGACCAGAGAATTCGAATA	349	TGCAGGACCAGAGAATTCGAATA	589
CAACTTGAATNNCTAGCGTTAC		CAGTTCCCGCANNCTAGCGTTAC		CACAGCGGTCTNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	110	TGCAGGACCAGAGAATTCGAATA	350	TGCAGGACCAGAGAATTCGAATA	590
CATGTGGCATNNCTAGCGTTAC		CATAGATTGNNCTAGCGTTAC		CAAGCTAACCNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	111	TGCAGGACCAGAGAATTCGAATA	351	TGCAGGACCAGAGAATTCGAATA	591
CATCTACACNNCTAGCGTTAC		CACGGCAGAGNNCTAGCGTTAC		CAACGGCGTCTNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	112	TGCAGGACCAGAGAATTCGAATA	352	TGCAGGACCAGAGAATTCGAATA	592
CATCATGCCTNNCTAGCGTTAC		CACCTCGTGCNNCTAGCGTTAC		CATAGTTCAANNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	113	TGCAGGACCAGAGAATTCGAATA	353	TGCAGGACCAGAGAATTCGAATA	593
CATCTAGCCTNNCTAGCGTTAC		CACCCCTTGATNNCTAGCGTTAC		CAATGTAGCCNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	114	TGCAGGACCAGAGAATTCGAATA	354	TGCAGGACCAGAGAATTCGAATA	594
CAATAAAGCANNCTAGCGTTAC		CACGTCACGGNNCTAGCGTTAC		CAAGAAGCACNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	115	TGCAGGACCAGAGAATTCGAATA	355	TGCAGGACCAGAGAATTCGAATA	595
CATGCATAATNNCTAGCGTTAC		CAGTTTGGCANNCTAGCGTTAC		CAGAAGCGCGNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	116	TGCAGGACCAGAGAATTCGAATA	356	TGCAGGACCAGAGAATTCGAATA	596
CACATGACGTNNCTAGCGTTAC		CATGCTCTGTNNCTAGCGTTAC		CACGGTATACNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	117	TGCAGGACCAGAGAATTCGAATA	357	TGCAGGACCAGAGAATTCGAATA	597
CACCTTATCATNNCTAGCGTTAC		CATCAGTATANNCTAGCGTTAC		CATAACATACNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	118	TGCAGGACCAGAGAATTCGAATA	358	TGCAGGACCAGAGAATTCGAATA	598
CACGGCCTGANNCTAGCGTTAC		CACCCAAGTANNCTAGCGTTAC		CACTGCTATCTNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	119	TGCAGGACCAGAGAATTCGAATA	359	TGCAGGACCAGAGAATTCGAATA	599
CACGTCATGNNCTAGCGTTAC		CAAAGCTAAANNCTAGCGTTAC		CACGGCAACNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	120	TGCAGGACCAGAGAATTCGAATA	360	TGCAGGACCAGAGAATTCGAATA	600
CACCTTATACTNNCTAGCGTTAC		CAAGATCCACNNCTAGCGTTAC		CACAAAACANNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	121	TGCAGGACCAGAGAATTCGAATA	361	TGCAGGACCAGAGAATTCGAATA	601
CAGGAGGTATNNCTAGCGTTAC		CAGCATCGGCNNCTAGCGTTAC		CACGTTAGCANNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	122	TGCAGGACCAGAGAATTCGAATA	362	TGCAGGACCAGAGAATTCGAATA	602
CAATTGTTCTNNCTAGCGTTAC		CACCTCTGGAANNCTAGCGTTAC		CACCCCTAATCTNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	123	TGCAGGACCAGAGAATTCGAATA	363	TGCAGGACCAGAGAATTCGAATA	603
CAAACCTCCAGNNCTAGCGTTAC		CAAGTCTGACNNCTAGCGTTAC		CATGTGGCCGNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	124	TGCAGGACCAGAGAATTCGAATA	364	TGCAGGACCAGAGAATTCGAATA	604
CACGAGGTCCNNCTAGCGTTAC		CAGAGGCCGANNCTAGCGTTAC		CATCTAGAGCANNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	125	TGCAGGACCAGAGAATTCGAATA	365	TGCAGGACCAGAGAATTCGAATA	605
CACGCCACANNCTAGCGTTAC		CATGGTGGANNCTAGCGTTAC		CATACGCATGNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	126	TGCAGGACCAGAGAATTCGAATA	366	TGCAGGACCAGAGAATTCGAATA	606
CATGCCGCCTNNCTAGCGTTAC		CACGGTGTANNCTAGCGTTAC		CATTGGCCCGNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	127	TGCAGGACCAGAGAATTCGAATA	367	TGCAGGACCAGAGAATTCGAATA	607
CAGTTACGACNNCTAGCGTTAC		CATCGCGCAGNNCTAGCGTTAC		CATGGTTCTCTNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	128	TGCAGGACCAGAGAATTCGAATA	368	TGCAGGACCAGAGAATTCGAATA	608
CATTATCATCTNNCTAGCGTTAC		CAGCTGTGTANNCTAGCGTTAC		CAAACGGTGANNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATA	129	TGCAGGACCAGAGAATTCGAATA	369	TGCAGGACCAGAGAATTCGAATA	609
CACCTTCTCTNNNGATCGACATG		CAACGTGCGCANNNGATCGACATG		CAGGGTATACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	130	TGCAGGACCAGAGAATTCGAATA	370	TGCAGGACCAGAGAATTCGAATA	610
CAAACAGGTGNNNGATCGACATG		CAATCAGCCANNNGATCGACATG		CAATTGGTTANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	131	TGCAGGACCAGAGAATTCGAATA	371	TGCAGGACCAGAGAATTCGAATA	611
CAACTTGTCCNNNGATCGACATG		CAGATACTTANNNGATCGACATG		CACAGGATGANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	132	TGCAGGACCAGAGAATTCGAATA	372	TGCAGGACCAGAGAATTCGAATA	612
CATTGGTAATNNNGATCGACATG		CAATTTGCCNNNGATCGACATG		CACGTTATCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	133	TGCAGGACCAGAGAATTCGAATA	373	TGCAGGACCAGAGAATTCGAATA	613
CAGGACTCGCANNNGATCGACATG		CACTTAAAGTNNNGATCGACATG		CAGTTCAATANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	134	TGCAGGACCAGAGAATTCGAATA	374	TGCAGGACCAGAGAATTCGAATA	614
CATGCCGTCAANNNGATCGACATG		CATATGCCCTNNNGATCGACATG		CACAAAATCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	135	TGCAGGACCAGAGAATTCGAATA	375	TGCAGGACCAGAGAATTCGAATA	615
CACAGAATAANNNGATCGACATG		CAACTTGACGNNNGATCGACATG		CACTGCAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	136	TGCAGGACCAGAGAATTCGAATA	376	TGCAGGACCAGAGAATTCGAATA	616
CATCCGAGGCNNNGATCGACATG		CAAGGAACANNNGATCGACATG		CAGGTGCCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	137	TGCAGGACCAGAGAATTCGAATA	377	TGCAGGACCAGAGAATTCGAATA	617
CAATTTCCTGNNNGATCGACATG		CATGAGCGAANNNGATCGACATG		CACGATAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	138	TGCAGGACCAGAGAATTCGAATA	378	TGCAGGACCAGAGAATTCGAATA	618
CAACTTGTAAANNNGATCGACATG		CATGCTGTGANNNGATCGACATG		CATTATGACANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	139	TGCAGGACCAGAGAATTCGAATA	379	TGCAGGACCAGAGAATTCGAATA	619
CACACGGTGCNNNGATCGACATG		CAGGTTCTGANNNGATCGACATG		CAACCTTCACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	140	TGCAGGACCAGAGAATTCGAATA	380	TGCAGGACCAGAGAATTCGAATA	620
CAAACCTCGGTNNNGATCGACATG		CAACAAACAANNNGATCGACATG		CATCTTCTCCNNNGATCGACATG	

FIG. 12E

Pool-1	SEQ ID NO:	Pool-2	SEQ ID NO:	Pool-3	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA	141	TGCAGGACCAGAGAATTCGAATA	381	TGCAGGACCAGAGAATTCGAATA	621
CAGCCTATTNNNGATCGACATG		CAAGCTAGAGNNNGATCGACATG		CACCCAGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	142	TGCAGGACCAGAGAATTCGAATA	382	TGCAGGACCAGAGAATTCGAATA	622
CACCGCTAAANNNGATCGACATG		CATTAAATATNNNGATCGACATG		CAGTGTGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	143	TGCAGGACCAGAGAATTCGAATA	383	TGCAGGACCAGAGAATTCGAATA	623
CAGTGAGATGNNNGATCGACATG		CAAGGAGTCANNNGATCGACATG		CAGTTCTAAANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	144	TGCAGGACCAGAGAATTCGAATA	384	TGCAGGACCAGAGAATTCGAATA	624
CATCTCTCAGNNNGATCGACATG		CACGCACAGCANNNGATCGACATG		CAGCGTTTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	145	TGCAGGACCAGAGAATTCGAATA	385	TGCAGGACCAGAGAATTCGAATA	625
CATCTCTAGCANNNGATCGACATG		CAGCGGACAGNNNGATCGACATG		CAGTCTGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	146	TGCAGGACCAGAGAATTCGAATA	386	TGCAGGACCAGAGAATTCGAATA	626
CACAAGCGCCNNNGATCGACATG		CACGCTCGTCNNNGATCGACATG		CAACAGAAATNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	147	TGCAGGACCAGAGAATTCGAATA	387	TGCAGGACCAGAGAATTCGAATA	627
CAGGCAGTAANNNGATCGACATG		CATCTGATGGNNNGATCGACATG		CATTGCTATTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	148	TGCAGGACCAGAGAATTCGAATA	388	TGCAGGACCAGAGAATTCGAATA	628
CATTGGCTGANNNGATCGACATG		CAGGCTAGAANNNGATCGACATG		CACCCCTGTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	149	TGCAGGACCAGAGAATTCGAATA	389	TGCAGGACCAGAGAATTCGAATA	629
CAACAGCGAANNNGATCGACATG		CAATGAGGCANNNGATCGACATG		CAGCAGTCCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	150	TGCAGGACCAGAGAATTCGAATA	390	TGCAGGACCAGAGAATTCGAATA	630
CAAAGTTTCANNNGATCGACATG		CACACCCGTCNNNGATCGACATG		CAGTAACCCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	151	TGCAGGACCAGAGAATTCGAATA	391	TGCAGGACCAGAGAATTCGAATA	631
CACGCTCTATNNNGATCGACATG		CATCATCGGANNNGATCGACATG		CAACATTGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	152	TGCAGGACCAGAGAATTCGAATA	392	TGCAGGACCAGAGAATTCGAATA	632
CATAGGAGTGNNGATCGACATG		CAGGCAAGCGNNNGATCGACATG		CAAAACCGTCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	153	TGCAGGACCAGAGAATTCGAATA	393	TGCAGGACCAGAGAATTCGAATA	633
CATCAGCACANNNGATCGACATG		CACAGTCGATNNNGATCGACATG		CAATTCTGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	154	TGCAGGACCAGAGAATTCGAATA	394	TGCAGGACCAGAGAATTCGAATA	634
CACGAACCTACNNNGATCGACATG		CATGCTACTCNNNGATCGACATG		CATCTAGGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	155	TGCAGGACCAGAGAATTCGAATA	395	TGCAGGACCAGAGAATTCGAATA	635
CATACTAAACNNNGATCGACATG		CATCCATACNNNGATCGACATG		CAGGTCTACANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	156	TGCAGGACCAGAGAATTCGAATA	396	TGCAGGACCAGAGAATTCGAATA	636
CAGGTACAAGNNNGATCGACATG		CAACCCGACNNNGATCGACATG		CAGGTGAGCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	157	TGCAGGACCAGAGAATTCGAATA	397	TGCAGGACCAGAGAATTCGAATA	637
CAACAGGCTTNNNGATCGACATG		CAGGCAAGTNNNGATCGACATG		CATGTCTTTANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	158	TGCAGGACCAGAGAATTCGAATA	398	TGCAGGACCAGAGAATTCGAATA	638
CAGAAACCCNNNGATCGACATG		CAGGATCCGNNNGATCGACATG		CATGGCTTGANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	159	TGCAGGACCAGAGAATTCGAATA	399	TGCAGGACCAGAGAATTCGAATA	639
CATCCGCATTNNNGATCGACATG		CACCTCTCTNNNGATCGACATG		CAATTACCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	160	TGCAGGACCAGAGAATTCGAATA	400	TGCAGGACCAGAGAATTCGAATA	640
CACAACTCTGNNNGATCGACATG		CATCGTCGCCNNNGATCGACATG		CATGGCTCTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	161	TGCAGGACCAGAGAATTCGAATA	401	TGCAGGACCAGAGAATTCGAATA	641
CAACCTTACNNNGATCGACATG		CACCTATGTCNNNGATCGACATG		CACACTCACTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	162	TGCAGGACCAGAGAATTCGAATA	402	TGCAGGACCAGAGAATTCGAATA	642
CAGCGGTCTGNNNGATCGACATG		CAGGATGCTTNNNGATCGACATG		CAGTGCAGGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	163	TGCAGGACCAGAGAATTCGAATA	403	TGCAGGACCAGAGAATTCGAATA	643
CAAACTACGCGNNNGATCGACATG		CAATTGAGAANNNGATCGACATG		CACCCAACTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	164	TGCAGGACCAGAGAATTCGAATA	404	TGCAGGACCAGAGAATTCGAATA	644
CAAATAGTAGNNNGATCGACATG		CAGTGTGTGNNNGATCGACATG		CAACGTAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	165	TGCAGGACCAGAGAATTCGAATA	405	TGCAGGACCAGAGAATTCGAATA	645
CAGGCATCTANNNGATCGACATG		CAAGCAATANNNGATCGACATG		CAACCGTCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	166	TGCAGGACCAGAGAATTCGAATA	406	TGCAGGACCAGAGAATTCGAATA	646
CAAGCGCTGNNNGATCGACATG		CATTAGCGCANNNGATCGACATG		CATTGCGGAANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	167	TGCAGGACCAGAGAATTCGAATA	407	TGCAGGACCAGAGAATTCGAATA	647
CAGACCCGTTNNNGATCGACATG		CAACCGGATGNNNGATCGACATG		CACGCACAATNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	168	TGCAGGACCAGAGAATTCGAATA	408	TGCAGGACCAGAGAATTCGAATA	648
CACGGTAAAGNNNGATCGACATG		CAGCATGGAANNNGATCGACATG		CACAACTCTCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	169	TGCAGGACCAGAGAATTCGAATA	409	TGCAGGACCAGAGAATTCGAATA	649
CAAGGATGCANNNGATCGACATG		CATCTCATATNNNGATCGACATG		CATCAGAGTCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	170	TGCAGGACCAGAGAATTCGAATA	410	TGCAGGACCAGAGAATTCGAATA	650
CATTCTGGAGNNNGATCGACATG		CAGTGCAGCTNNNGATCGACATG		CAAACTGTCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	171	TGCAGGACCAGAGAATTCGAATA	411	TGCAGGACCAGAGAATTCGAATA	651
CAGCTCAACNNNGATCGACATG		CAGATTGCGANNNGATCGACATG		CAGTATCACTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	172	TGCAGGACCAGAGAATTCGAATA	412	TGCAGGACCAGAGAATTCGAATA	652
CATAAGTTACNNNGATCGACATG		CAATCTATCTNNNGATCGACATG		CAGATTAACTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	173	TGCAGGACCAGAGAATTCGAATA	413	TGCAGGACCAGAGAATTCGAATA	653
CACAACCCCTNNNGATCGACATG		CAGTCAACCCNNNGATCGACATG		CAGGCTACGNNNGATCGACATG	

FIG. 12F

Pool-1	SEQ ID NO:	Pool-2	SEQ ID NO:	Pool-3	SEQ ID NO:
TGCAGGACCAGAGAATT CGAATA	174	TGCAGGACCAGAGAATT CGAATA	414	TGCAGGACCAGAGAATT CGAATA	654
CACCTTCCGGNNNGATCGACATG		CACGTTGTGANNNGATCGACATG		CAATACGAGGNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	175	TGCAGGACCAGAGAATT CGAATA	415	TGCAGGACCAGAGAATT CGAATA	655
CAGTGAGAGTNNNGATCGACATG		CAGCTCTGCCNNNGATCGACATG		CAAAATGTCTNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	176	TGCAGGACCAGAGAATT CGAATA	416	TGCAGGACCAGAGAATT CGAATA	656
CAGCGTCCAGNNNGATCGACATG		CACATCGATGNNNGATCGACATG		CAGCGCATCGNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	177	TGCAGGACCAGAGAATT CGAATA	417	TGCAGGACCAGAGAATT CGAATA	657
CATTATTTCGNNNGATCGACATG		CAAGTCGCCGNNNGATCGACATG		CACTCCCGTGNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	178	TGCAGGACCAGAGAATT CGAATA	418	TGCAGGACCAGAGAATT CGAATA	658
CAGTAATAAGNNNGATCGACATG		CAGATAGCGANNNGATCGACATG		CAGATAAGGCNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	179	TGCAGGACCAGAGAATT CGAATA	419	TGCAGGACCAGAGAATT CGAATA	659
CATACAAGCCNNNGATCGACATG		CATCTTTGGCNNNGATCGACATG		CAGCACATCANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	180	TGCAGGACCAGAGAATT CGAATA	420	TGCAGGACCAGAGAATT CGAATA	660
CAAAGCCGAANNNGATCGACATG		CATCTCATCGNNNGATCGACATG		CATCCTATGCNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	181	TGCAGGACCAGAGAATT CGAATA	421	TGCAGGACCAGAGAATT CGAATA	661
CAATACTTTCCNNNGATCGACATG		CATGAGCGCCNNNGATCGACATG		CACGCATCCCNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	182	TGCAGGACCAGAGAATT CGAATA	422	TGCAGGACCAGAGAATT CGAATA	662
CACTGGATCANNNGATCGACATG		CAAGTCTCGANNNGATCGACATG		CAACCGGTGNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	183	TGCAGGACCAGAGAATT CGAATA	423	TGCAGGACCAGAGAATT CGAATA	663
CAAACGCCCTANNNGATCGACATG		CAAAGGTATANNNGATCGACATG		CACACGATGTNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	184	TGCAGGACCAGAGAATT CGAATA	424	TGCAGGACCAGAGAATT CGAATA	664
CAGTCGAGAANNNGATCGACATG		CAGGTGTGCGNNNGATCGACATG		CAAACCTCGCANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	185	TGCAGGACCAGAGAATT CGAATA	425	TGCAGGACCAGAGAATT CGAATA	665
CATAATTCTCANNNGATCGACATG		CATCACATCCNNNGATCGACATG		CACCCCTTCCNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	186	TGCAGGACCAGAGAATT CGAATA	426	TGCAGGACCAGAGAATT CGAATA	666
CATAACCCCTCANNNGATCGACATG		CAGCATACACNNNGATCGACATG		CATCTTCGTGNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	187	TGCAGGACCAGAGAATT CGAATA	427	TGCAGGACCAGAGAATT CGAATA	667
CAGCGCTTGGNNNGATCGACATG		CATCCAACAGNNNGATCGACATG		CATATTTAAANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	188	TGCAGGACCAGAGAATT CGAATA	428	TGCAGGACCAGAGAATT CGAATA	668
CACGGACACCCNNNGATCGACATG		CATCTGCCTANNNGATCGACATG		CATTATATGCANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATA	189	TGCAGGACCAGAGAATT CGAATA	429	TGCAGGACCAGAGAATT CGAATA	669
CATGGAAGTGNNTGCATCAGGT		CACACACCCGNNNTGCATCAGGT		CACTTTGGTGNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	190	TGCAGGACCAGAGAATT CGAATA	430	TGCAGGACCAGAGAATT CGAATA	670
CAAAGTCTATNNNTGCATCAGGT		CAGACCTCCNNNTGCATCAGGT		CATACGAAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	191	TGCAGGACCAGAGAATT CGAATA	431	TGCAGGACCAGAGAATT CGAATA	671
CAATGAATAGNNNTGCATCAGGT		CATGGCAATCNNNTGCATCAGGT		CAAGTCAGTGNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	192	TGCAGGACCAGAGAATT CGAATA	432	TGCAGGACCAGAGAATT CGAATA	672
CATTCTCCTCANNNTGCATCAGGT		CATCTCCGCGNNNTGCATCAGGT		CAGTTTATCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	193	TGCAGGACCAGAGAATT CGAATA	433	TGCAGGACCAGAGAATT CGAATA	673
CACCAGCCCTNNNTGCATCAGGT		CACCAGCGTGNNTGCATCAGGT		CATTTCGAAANNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	194	TGCAGGACCAGAGAATT CGAATA	434	TGCAGGACCAGAGAATT CGAATA	674
CAAACAAAACNNNTGCATCAGGT		CAAATATAANNNTGCATCAGGT		CACAGATCACNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	195	TGCAGGACCAGAGAATT CGAATA	435	TGCAGGACCAGAGAATT CGAATA	675
CACGCTCACCCNNNTGCATCAGGT		CAGCAATTATANNNTGCATCAGGT		CATTGGAAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	196	TGCAGGACCAGAGAATT CGAATA	436	TGCAGGACCAGAGAATT CGAATA	676
CATGGTGATCANNNTGCATCAGGT		CAACTCAGTGNNTGCATCAGGT		CAGTGGCGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	197	TGCAGGACCAGAGAATT CGAATA	437	TGCAGGACCAGAGAATT CGAATA	677
CAGTTGCTAGNNNTGCATCAGGT		CAAGAGGCATNNNTGCATCAGGT		CATGAAGGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	198	TGCAGGACCAGAGAATT CGAATA	438	TGCAGGACCAGAGAATT CGAATA	678
CATCACCCCTANNNTGCATCAGGT		CATAGGCTTGNNTGCATCAGGT		CAAAAGTACNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	199	TGCAGGACCAGAGAATT CGAATA	439	TGCAGGACCAGAGAATT CGAATA	679
CAGACTCTGANNNTGCATCAGGT		CACACACAGTNNNTGCATCAGGT		CAGATGGAACNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	200	TGCAGGACCAGAGAATT CGAATA	440	TGCAGGACCAGAGAATT CGAATA	680
CACGTATGACNNNTGCATCAGGT		CATGATAGAANNNTGCATCAGGT		CAGCCTCGAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	201	TGCAGGACCAGAGAATT CGAATA	441	TGCAGGACCAGAGAATT CGAATA	681
CATGCACCCGNNNTGCATCAGGT		CAGACAACGANNNTGCATCAGGT		CAAAATAAATNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	202	TGCAGGACCAGAGAATT CGAATA	442	TGCAGGACCAGAGAATT CGAATA	682
CAACTGATGCNNNTGCATCAGGT		CAGTGCCTCGNNNTGCATCAGGT		CATTCCCCCANNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	203	TGCAGGACCAGAGAATT CGAATA	443	TGCAGGACCAGAGAATT CGAATA	683
CATACGTTCCNNNTGCATCAGGT		CAGTTTCCANNNTGCATCAGGT		CATTCTTCTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	204	TGCAGGACCAGAGAATT CGAATA	444	TGCAGGACCAGAGAATT CGAATA	684
CACGGCCGCGNNNTGCATCAGGT		CATTGCAATAGNNNTGCATCAGGT		CATTGTGGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	205	TGCAGGACCAGAGAATT CGAATA	445	TGCAGGACCAGAGAATT CGAATA	685
CAATCTTTGNNNTGCATCAGGT		CATAGCCATGNNNTGCATCAGGT		CATCCCATGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATA	206	TGCAGGACCAGAGAATT CGAATA	446	TGCAGGACCAGAGAATT CGAATA	686
CATTGTACTTNNNTGCATCAGGT		CAGTTGTTAANNNTGCATCAGGT		CAGTGTGTACNNNTGCATCAGGT	

FIG. 12G

Pool-1	SEQ ID NO:	Pool-2	SEQ ID NO:	Pool-3	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA	207	TGCAGGACCAGAGAATTCGAATA	447	TGCAGGACCAGAGAATTCGAATA	687
CATGTTAATGNNNTGCATCAGGT		CACCTTGCACCTNNNTGCATCAGGT		CATCGCCTATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	208	TGCAGGACCAGAGAATTCGAATA	448	TGCAGGACCAGAGAATTCGAATA	688
CAAACATTGTTNNNTGCATCAGGT		CATTAGAGCCNNNTGCATCAGGT		CACGCTGACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	209	TGCAGGACCAGAGAATTCGAATA	449	TGCAGGACCAGAGAATTCGAATA	689
CACGCCCGAANNNTGCATCAGGT		CAGCCCCACNNNTGCATCAGGT		CATGGTGGTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	210	TGCAGGACCAGAGAATTCGAATA	450	TGCAGGACCAGAGAATTCGAATA	690
CACAGCGCACNNNTGCATCAGGT		CAAAATGGACGNNNTGCATCAGGT		CACTATCTTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	211	TGCAGGACCAGAGAATTCGAATA	451	TGCAGGACCAGAGAATTCGAATA	691
CACGAGTATCNNNTGCATCAGGT		CAAGACCTGTNNNTGCATCAGGT		CAATAACCTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	212	TGCAGGACCAGAGAATTCGAATA	452	TGCAGGACCAGAGAATTCGAATA	692
CAATGGTGGANNNTGCATCAGGT		CACCTACATNNNTGCATCAGGT		CAAGAGTGTGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	213	TGCAGGACCAGAGAATTCGAATA	453	TGCAGGACCAGAGAATTCGAATA	693
CATCACACTCNNNTGCATCAGGT		CATAAGAAACNNNTGCATCAGGT		CAAAATGGCGANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	214	TGCAGGACCAGAGAATTCGAATA	454	TGCAGGACCAGAGAATTCGAATA	694
CAGAAACGACNNNTGCATCAGGT		CAGATTCTTTNNNTGCATCAGGT		CAGTCTCTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	215	TGCAGGACCAGAGAATTCGAATA	455	TGCAGGACCAGAGAATTCGAATA	695
CAGAGTTTTANNNTGCATCAGGT		CATCTAGGTGNNNTGCATCAGGT		CATGCCCCCANNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	216	TGCAGGACCAGAGAATTCGAATA	456	TGCAGGACCAGAGAATTCGAATA	696
CAGGCCCTTTNNNTGCATCAGGT		CAGTGTCTTNNNTGCATCAGGT		CACGAGCTCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	217	TGCAGGACCAGAGAATTCGAATA	457	TGCAGGACCAGAGAATTCGAATA	697
CACAACCTCTCANNNTGCATCAGGT		CATAAACTTGNNTGCATCAGGT		CAACTGAACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	218	TGCAGGACCAGAGAATTCGAATA	458	TGCAGGACCAGAGAATTCGAATA	698
CATGTACTGGNNNTGCATCAGGT		CAGACATCCANNNTGCATCAGGT		CACTCGTATCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	219	TGCAGGACCAGAGAATTCGAATA	459	TGCAGGACCAGAGAATTCGAATA	699
CATTTGGCTCANNNTGCATCAGGT		CATAAGTCCGNNNTGCATCAGGT		CACACTTCCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	220	TGCAGGACCAGAGAATTCGAATA	460	TGCAGGACCAGAGAATTCGAATA	700
CAGAAGTATANNNTGCATCAGGT		CAAGGCGCGANNNTGCATCAGGT		CAGATCCTGANNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	221	TGCAGGACCAGAGAATTCGAATA	461	TGCAGGACCAGAGAATTCGAATA	701
CAGAATCACNNNTGCATCAGGT		CAGAGCTCTANNNTGCATCAGGT		CAAGAAGTATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	222	TGCAGGACCAGAGAATTCGAATA	462	TGCAGGACCAGAGAATTCGAATA	702
CACCTTACCGTNNNTGCATCAGGT		CATCATAATGNNNTGCATCAGGT		CAAAACCCACANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	223	TGCAGGACCAGAGAATTCGAATA	463	TGCAGGACCAGAGAATTCGAATA	703
CATCTTTACANNNTGCATCAGGT		CAGGATGGTANNNTGCATCAGGT		CATGCCGAATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	224	TGCAGGACCAGAGAATTCGAATA	464	TGCAGGACCAGAGAATTCGAATA	704
CACGAAGTGANNNTGCATCAGGT		CATAGCCTTNNNTGCATCAGGT		CAATCAGAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	225	TGCAGGACCAGAGAATTCGAATA	465	TGCAGGACCAGAGAATTCGAATA	705
CACCTTGTGGANNNTGCATCAGGT		CAATCCCCGCGNNNTGCATCAGGT		CAGTCATATANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	226	TGCAGGACCAGAGAATTCGAATA	466	TGCAGGACCAGAGAATTCGAATA	706
CAGTTCTCTGNNNTGCATCAGGT		CAGATTGTGNNNTGCATCAGGT		CAACCCACCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	227	TGCAGGACCAGAGAATTCGAATA	467	TGCAGGACCAGAGAATTCGAATA	707
CACCTTCAACNNNTGCATCAGGT		CAGTGATGAGNNNTGCATCAGGT		CACCCACAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	228	TGCAGGACCAGAGAATTCGAATA	468	TGCAGGACCAGAGAATTCGAATA	708
CAAAATGTCTNNNTGCATCAGGT		CACGGAACGCGNNNTGCATCAGGT		CATGTCTGAACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	229	TGCAGGACCAGAGAATTCGAATA	469	TGCAGGACCAGAGAATTCGAATA	709
CAATCGCATNNNTGCATCAGGT		CAGCTCTTTGNNNTGCATCAGGT		CAGCAGCATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	230	TGCAGGACCAGAGAATTCGAATA	470	TGCAGGACCAGAGAATTCGAATA	710
CAGGCTCGTNNNTGCATCAGGT		CAGTAATCGCANNNTGCATCAGGT		CAGGCGATGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	231	TGCAGGACCAGAGAATTCGAATA	471	TGCAGGACCAGAGAATTCGAATA	711
CAGACCTTAANNNTGCATCAGGT		CACCTTGTATTNNNTGCATCAGGT		CATTTCGATGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	232	TGCAGGACCAGAGAATTCGAATA	472	TGCAGGACCAGAGAATTCGAATA	712
CACAAATTTGNNNTGCATCAGGT		CACACACACANNNTGCATCAGGT		CATGGAGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	233	TGCAGGACCAGAGAATTCGAATA	473	TGCAGGACCAGAGAATTCGAATA	713
CATTTTTCCNNNTGCATCAGGT		CATAAAATAANNNTGCATCAGGT		CAGTATTACANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	234	TGCAGGACCAGAGAATTCGAATA	474	TGCAGGACCAGAGAATTCGAATA	714
CATTTAAGCANNNTGCATCAGGT		CAAAACGCATCANNNTGCATCAGGT		CACGACAATCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	235	TGCAGGACCAGAGAATTCGAATA	475	TGCAGGACCAGAGAATTCGAATA	715
CAGTGGTCTANNNTGCATCAGGT		CACATATGANNNTGCATCAGGT		CAGTGGCCACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	236	TGCAGGACCAGAGAATTCGAATA	476	TGCAGGACCAGAGAATTCGAATA	716
CATTCTAATCANNNTGCATCAGGT		CAGCGTCATANNNTGCATCAGGT		CATACGCGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	237	TGCAGGACCAGAGAATTCGAATA	477	TGCAGGACCAGAGAATTCGAATA	717
CAATTGATTGNNNTGCATCAGGT		CATAAGCCTGNNNTGCATCAGGT		CACGAAGACANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	238	TGCAGGACCAGAGAATTCGAATA	478	TGCAGGACCAGAGAATTCGAATA	718
CATGCATAGCANNNTGCATCAGGT		CATAGCAGAGNNNTGCATCAGGT		CACCAATGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	239	TGCAGGACCAGAGAATTCGAATA	479	TGCAGGACCAGAGAATTCGAATA	719
CAGACAGATGNNNTGCATCAGGT		CACCTTGAACNNNTGCATCAGGT		CAAGCCTTCTNNNTGCATCAGGT	

FIG. 12H

Pool-1	SEQ ID NO:	Pool-2	SEQ ID NO:	Pool-3	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA CATGCTCTACNNNTGCATCAGGT	240	TGCAGGACCAGAGAATTGGAATA CAACCGAGAANNNTGCATCAGGT	480	TGCAGGACCAGAGAATTGGAATA CATATCACCNNNTGCATCAGGT	720
TGCAGGACCAGAGAATTGGAATA CATGCGATACNNNTGCATCAGGT	241	TGCAGGACCAGAGAATTGGAATA CACTATCTATNNNTGCATCAGGT	481	TGCAGGACCAGAGAATTGGAATA CACCTTATGCNNNTGCATCAGGT	721
TGCAGGACCAGAGAATTGGAATA CAACACTGCANNNTGCATCAGGT	242	TGCAGGACCAGAGAATTGGAATA CACAATTTAGNNNTGCATCAGGT	482	TGCAGGACCAGAGAATTGGAATA CATTAAATGACNNNTGCATCAGGT	722
TGCAGGACCAGAGAATTGGAATA CAGTCACCTCTNNNTGCATCAGGT	243	TGCAGGACCAGAGAATTGGAATA CACTAAACGCNNNTGCATCAGGT	483	TGCAGGACCAGAGAATTGGAATA CACTACCTTGNNNTGCATCAGGT	723
TGCAGGACCAGAGAATTGGAATA CAATTGTATTCNNNTGCATCAGGT	244	TGCAGGACCAGAGAATTGGAATA CATAGTAGAANNNTGCATCAGGT	484	TGCAGGACCAGAGAATTGGAATA CAAGGATCTCNNNTGCATCAGGT	724
TGCAGGACCAGAGAATTGGAATA CAAAACCTAGCNNNTGCATCAGGT	245	TGCAGGACCAGAGAATTGGAATA CAGCAAAGTGNNNTGCATCAGGT	485	TGCAGGACCAGAGAATTGGAATA CAAAGATCAANNNTGCATCAGGT	725
TGCAGGACCAGAGAATTGGAATA CAGCCGGATCNNNTGCATCAGGT	246	TGCAGGACCAGAGAATTGGAATA CACAAGTTATNNNTGCATCAGGT	486	TGCAGGACCAGAGAATTGGAATA CAGAATGAGCNNNTGCATCAGGT	726
TGCAGGACCAGAGAATTGGAATA CAAGGATCCTNNNTGCATCAGGT	247	TGCAGGACCAGAGAATTGGAATA CACAACCTGACNNNTGCATCAGGT	487	TGCAGGACCAGAGAATTGGAATA CAACTAGATTNNNTGCATCAGGT	727
TGCAGGACCAGAGAATTGGAATA CATACTGGACNNNTGCATCAGGT	248	TGCAGGACCAGAGAATTGGAATA CATTCGTCGTNNNTGCATCAGGT	488	TGCAGGACCAGAGAATTGGAATA CATTTTCCGGNNNTGCATCAGGT	728

FIG. 13A

Pool-4	SEQ ID NO:	Pool-5	SEQ ID NO:	Pool-6	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	729	TGCAGGACCAGAGAATTGGAATA	969	TGCAGGACCAGAGAATTGGAATA	1209
CATATGCCANNNNACGTATGCCA		CAGCGATTACNNNNACGTATGCCA		CACAATGACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	730	TGCAGGACCAGAGAATTGGAATA	970	TGCAGGACCAGAGAATTGGAATA	1210
CAGTTTACCTNNNNACGTATGCCA		CATAGTCCTCNNNNACGTATGCCA		CAGCTACGTANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	731	TGCAGGACCAGAGAATTGGAATA	971	TGCAGGACCAGAGAATTGGAATA	1211
CATCCTACACNNNNACGTATGCCA		CAGTTATACNNNNACGTATGCCA		CAGCCAGCACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	732	TGCAGGACCAGAGAATTGGAATA	972	TGCAGGACCAGAGAATTGGAATA	1212
CACCTACTCTGNNNNACGTATGCCA		CATATCTTCNNNNACGTATGCCA		CACGATCCGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	733	TGCAGGACCAGAGAATTGGAATA	973	TGCAGGACCAGAGAATTGGAATA	1213
CACCTTCCCCNNNNACGTATGCCA		CAACGTTCCGANNNNACGTATGCCA		CATTGGACACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	734	TGCAGGACCAGAGAATTGGAATA	974	TGCAGGACCAGAGAATTGGAATA	1214
CAGAAGATCGNNNNACGTATGCCA		CAACTCGTGANNNNACGTATGCCA		CAACAATGCCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	735	TGCAGGACCAGAGAATTGGAATA	975	TGCAGGACCAGAGAATTGGAATA	1215
CACCTCGCTGNNNNACGTATGCCA		CAGGACTACTNNNNACGTATGCCA		CACCTTTATANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	736	TGCAGGACCAGAGAATTGGAATA	976	TGCAGGACCAGAGAATTGGAATA	1216
CATATGTCCNNNNACGTATGCCA		CATCTGTACNNNNACGTATGCCA		CAGTGGCTGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	737	TGCAGGACCAGAGAATTGGAATA	977	TGCAGGACCAGAGAATTGGAATA	1217
CATATTTGCTNNNNACGTATGCCA		CACCTTAACNNNNACGTATGCCA		CAATCTCCGTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	738	TGCAGGACCAGAGAATTGGAATA	978	TGCAGGACCAGAGAATTGGAATA	1218
CAGTCCAGGNNNNACGTATGCCA		CATTGGAGAGNNNNACGTATGCCA		CAATGGCCATNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	739	TGCAGGACCAGAGAATTGGAATA	979	TGCAGGACCAGAGAATTGGAATA	1219
CAAAGATGGCNNNNACGTATGCCA		CAGAATCAAANNNNACGTATGCCA		CATTTGATAGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	740	TGCAGGACCAGAGAATTGGAATA	980	TGCAGGACCAGAGAATTGGAATA	1220
CAGTCCCGAGNNNNACGTATGCCA		CAGTTTCGTNNNNACGTATGCCA		CAGTCCCGGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	741	TGCAGGACCAGAGAATTGGAATA	981	TGCAGGACCAGAGAATTGGAATA	1221
CAAGGTTTCGNNNNACGTATGCCA		CACTACACAGNNNNACGTATGCCA		CAGGCTTCAANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	742	TGCAGGACCAGAGAATTGGAATA	982	TGCAGGACCAGAGAATTGGAATA	1222
CATGCCAAGGNNNNACGTATGCCA		CAAGTCAGTCNNNNACGTATGCCA		CACCTTTTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	743	TGCAGGACCAGAGAATTGGAATA	983	TGCAGGACCAGAGAATTGGAATA	1223
CAAGGTGTAGNNNNACGTATGCCA		CACAACGAGANNNNACGTATGCCA		CAACGCCCGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	744	TGCAGGACCAGAGAATTGGAATA	984	TGCAGGACCAGAGAATTGGAATA	1224
CACACGAGTTNNNNACGTATGCCA		CATAGGCTCANNNNNACGTATGCCA		CACCCCTAGCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	745	TGCAGGACCAGAGAATTGGAATA	985	TGCAGGACCAGAGAATTGGAATA	1225
CACACGCGCTNNNNACGTATGCCA		CAGGCCCATGNNNNACGTATGCCA		CACGGAGGCANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	746	TGCAGGACCAGAGAATTGGAATA	986	TGCAGGACCAGAGAATTGGAATA	1226
CAAAGCTACNNNNACGTATGCCA		CAGGCAGTCCNNNNACGTATGCCA		CACCTATGAATNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	747	TGCAGGACCAGAGAATTGGAATA	987	TGCAGGACCAGAGAATTGGAATA	1227
CAGAACCGAANNNNACGTATGCCA		CATCGATTGGNNNNACGTATGCCA		CAGACCGCGTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	748	TGCAGGACCAGAGAATTGGAATA	988	TGCAGGACCAGAGAATTGGAATA	1228
CAAGTACTGNNNNACGTATGCCA		CATAGACAGGNNNNACGTATGCCA		CATACTAGTANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	749	TGCAGGACCAGAGAATTGGAATA	989	TGCAGGACCAGAGAATTGGAATA	1229
CAAACAATTNNNNACGTATGCCA		CAACTAAGTTNNNNACGTATGCCA		CAACCAGTGTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	750	TGCAGGACCAGAGAATTGGAATA	990	TGCAGGACCAGAGAATTGGAATA	1230
CAGTATTAAACNNNNACGTATGCCA		CAATGTTCCGNNNNACGTATGCCA		CAGATGCCTANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	751	TGCAGGACCAGAGAATTGGAATA	991	TGCAGGACCAGAGAATTGGAATA	1231
CATGATTATGNNNNACGTATGCCA		CAAGCCCCAATNNNNACGTATGCCA		CACCATATTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	752	TGCAGGACCAGAGAATTGGAATA	992	TGCAGGACCAGAGAATTGGAATA	1232
CAGCAAACCTNNNNACGTATGCCA		CAGTGAAGTTCNNNNACGTATGCCA		CAAAACCACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	753	TGCAGGACCAGAGAATTGGAATA	993	TGCAGGACCAGAGAATTGGAATA	1233
CAGAATCTTANNNNACGTATGCCA		CAGTGCTAACNNNNACGTATGCCA		CAGCAGCAANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	754	TGCAGGACCAGAGAATTGGAATA	994	TGCAGGACCAGAGAATTGGAATA	1234
CAGAGGACGNNNNACGTATGCCA		CAGCCACCGANNNNACGTATGCCA		CAACGACAGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	755	TGCAGGACCAGAGAATTGGAATA	995	TGCAGGACCAGAGAATTGGAATA	1235
CAAGCCAAAGNNNNACGTATGCCA		CAAGTCCGATNNNNACGTATGCCA		CAATACCATANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	756	TGCAGGACCAGAGAATTGGAATA	996	TGCAGGACCAGAGAATTGGAATA	1236
CAGGACCGCTNNNNACGTATGCCA		CAGTTAAATCANNNNACGTATGCCA		CACCAGTTCTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	757	TGCAGGACCAGAGAATTGGAATA	997	TGCAGGACCAGAGAATTGGAATA	1237
CAGCTGCCCTNNNNACGTATGCCA		CAACTGACTGNNNNACGTATGCCA		CATTGCTGGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	758	TGCAGGACCAGAGAATTGGAATA	998	TGCAGGACCAGAGAATTGGAATA	1238
CACCCCTTTTNNNNACGTATGCCA		CACTTCATGNNNNACGTATGCCA		CAGCCCATTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	759	TGCAGGACCAGAGAATTGGAATA	999	TGCAGGACCAGAGAATTGGAATA	1239
CATCGCAGATNNNNACGTATGCCA		CAACCAGCATNNNNACGTATGCCA		CAAACAGCTCANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	760	TGCAGGACCAGAGAATTGGAATA	1000	TGCAGGACCAGAGAATTGGAATA	1240
CAATCGCATGNNNNACGTATGCCA		CAGGCGTCCANNNNACGTATGCCA		CACGTGTTCTGNNNNACGTATGCCA	

FIG. 13B

Pool-4	SEQ ID NO:	Pool-5	SEQ ID NO:	Pool-6	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	761	TGCAGGACCAGAGAATTGGAATA	1001	TGCAGGACCAGAGAATTGGAATA	1241
CAAGATGGCCANNNACGTATGCCA		CAACACAACCCNNNACGTATGCCA		CATGGGAATAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	762	TGCAGGACCAGAGAATTGGAATA	1002	TGCAGGACCAGAGAATTGGAATA	1242
CATCATCGCTNNNACGTATGCCA		CAGGTCTTTAGNNNACGTATGCCA		CATTCCCTTCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	763	TGCAGGACCAGAGAATTGGAATA	1003	TGCAGGACCAGAGAATTGGAATA	1243
CACGTGTTCTNNNACGTATGCCA		CAGCCCGGATNNNACGTATGCCA		CACACGCAATNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	764	TGCAGGACCAGAGAATTGGAATA	1004	TGCAGGACCAGAGAATTGGAATA	1244
CAGGTTATTANNNACGTATGCCA		CAATCCCGAANNNACGTATGCCA		CAGCTTATCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	765	TGCAGGACCAGAGAATTGGAATA	1005	TGCAGGACCAGAGAATTGGAATA	1245
CAAGAGTTAANNNACGTATGCCA		CATTACTCANNNACGTATGCCA		CAGGCATAGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	766	TGCAGGACCAGAGAATTGGAATA	1006	TGCAGGACCAGAGAATTGGAATA	1246
CATGAAATTCNNNACGTATGCCA		CATCCACCGCTNNNACGTATGCCA		CAAGCGCCGCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	767	TGCAGGACCAGAGAATTGGAATA	1007	TGCAGGACCAGAGAATTGGAATA	1247
CACCTTACCTGNNNACGTATGCCA		CACCAGATTGNNNACGTATGCCA		CACAAATTCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	768	TGCAGGACCAGAGAATTGGAATA	1008	TGCAGGACCAGAGAATTGGAATA	1248
CAAACTCGTGNNNACGTATGCCA		CACATGGTCANNNACGTATGCCA		CATAATGCATNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	769	TGCAGGACCAGAGAATTGGAATA	1009	TGCAGGACCAGAGAATTGGAATA	1249
CAGGACACGGNNNACGTATGCCA		CACCATTTCGNNNACGTATGCCA		CAACTCGTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	770	TGCAGGACCAGAGAATTGGAATA	1010	TGCAGGACCAGAGAATTGGAATA	1250
CATCTCGCGCNNNACGTATGCCA		CATGTGCGGNNNACGTATGCCA		CAAAATTTGTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	771	TGCAGGACCAGAGAATTGGAATA	1011	TGCAGGACCAGAGAATTGGAATA	1251
CACCTCCAGTNNNACGTATGCCA		CAAAACAATAGNNNACGTATGCCA		CATGAGAGGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	772	TGCAGGACCAGAGAATTGGAATA	1012	TGCAGGACCAGAGAATTGGAATA	1252
CAATAGTTACNNNACGTATGCCA		CATTGACGANNNACGTATGCCA		CAGCCATACANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	773	TGCAGGACCAGAGAATTGGAATA	1013	TGCAGGACCAGAGAATTGGAATA	1253
CACGACTTGANNNACGTATGCCA		CACCTTGAGANNNACGTATGCCA		CAGTCCTTCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	774	TGCAGGACCAGAGAATTGGAATA	1014	TGCAGGACCAGAGAATTGGAATA	1254
CATGCTTTATNNNACGTATGCCA		CAACGCTCTTNNNACGTATGCCA		CAGTGGCGAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	775	TGCAGGACCAGAGAATTGGAATA	1015	TGCAGGACCAGAGAATTGGAATA	1255
CAGCCACTTTNNNACGTATGCCA		CACACGAAGANNNACGTATGCCA		CATTTAGACANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	776	TGCAGGACCAGAGAATTGGAATA	1016	TGCAGGACCAGAGAATTGGAATA	1256
CATATCGGACNNNACGTATGCCA		CAGGCCACACNNNACGTATGCCA		CACACCCGCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	777	TGCAGGACCAGAGAATTGGAATA	1017	TGCAGGACCAGAGAATTGGAATA	1257
CAATTCCATTNNNACGTATGCCA		CATCTGTGAGNNNACGTATGCCA		CAATTCTAGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	778	TGCAGGACCAGAGAATTGGAATA	1018	TGCAGGACCAGAGAATTGGAATA	1258
CAAAATGCTGCNNNACGTATGCCA		CAAAAGCCAGNNNACGTATGCCA		CACGGACGAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	779	TGCAGGACCAGAGAATTGGAATA	1019	TGCAGGACCAGAGAATTGGAATA	1259
CAACCGGATTNNNACGTATGCCA		CACCAGTTGANNNACGTATGCCA		CACGACCCGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	780	TGCAGGACCAGAGAATTGGAATA	1020	TGCAGGACCAGAGAATTGGAATA	1260
CATAGCTAGCANNNACGTATGCCA		CACCTTGATGNNNACGTATGCCA		CACATATAGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	781	TGCAGGACCAGAGAATTGGAATA	1021	TGCAGGACCAGAGAATTGGAATA	1261
CAGCAACGTTNNNACGTATGCCA		CAATATGCATNNNACGTATGCCA		CATGTGATATNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	782	TGCAGGACCAGAGAATTGGAATA	1022	TGCAGGACCAGAGAATTGGAATA	1262
CACGTCTATNNNACGTATGCCA		CACCAGGCGTNNNACGTATGCCA		CAATCCTAAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	783	TGCAGGACCAGAGAATTGGAATA	1023	TGCAGGACCAGAGAATTGGAATA	1263
CAGCCACACGNNNACGTATGCCA		CAATGTTTAGNNNACGTATGCCA		CATGATGAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	784	TGCAGGACCAGAGAATTGGAATA	1024	TGCAGGACCAGAGAATTGGAATA	1264
CAGGCTTCCNNNACGTATGCCA		CACGTGTCGCGNNNACGTATGCCA		CAGCTCGACGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	785	TGCAGGACCAGAGAATTGGAATA	1025	TGCAGGACCAGAGAATTGGAATA	1265
CAGTTGACACNNNACGTATGCCA		CATTTTACCANNNACGTATGCCA		CATTAGCTAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	786	TGCAGGACCAGAGAATTGGAATA	1026	TGCAGGACCAGAGAATTGGAATA	1266
CAGCATCTTCNNNACGTATGCCA		CATGCCCTGCGNNNACGTATGCCA		CATGCTTTTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	787	TGCAGGACCAGAGAATTGGAATA	1027	TGCAGGACCAGAGAATTGGAATA	1267
CAACAATTGTNNNACGTATGCCA		CACCTTTGACNNNACGTATGCCA		CAATCACAGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	788	TGCAGGACCAGAGAATTGGAATA	1028	TGCAGGACCAGAGAATTGGAATA	1268
CAGATCCCCNNNACGTATGCCA		CAATTATTTTNNNACGTATGCCA		CAAACTCTCGGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	789	TGCAGGACCAGAGAATTGGAATA	1029	TGCAGGACCAGAGAATTGGAATA	1269
CAGCCCAGTGNNNCTAGCGTTAC		CAGTGTGGAANNNCTAGCGTTAC		CAACACTGGTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	790	TGCAGGACCAGAGAATTGGAATA	1030	TGCAGGACCAGAGAATTGGAATA	1270
CAGCGGTGCTNNNCTAGCGTTAC		CAACTCGTAGNNNCTAGCGTTAC		CATTTGTGTTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	791	TGCAGGACCAGAGAATTGGAATA	1031	TGCAGGACCAGAGAATTGGAATA	1271
CATACGTGCANNNCTAGCGTTAC		CATCGCGTCCNNNCTAGCGTTAC		CACGACACGCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	792	TGCAGGACCAGAGAATTGGAATA	1032	TGCAGGACCAGAGAATTGGAATA	1272
CACACCCACCCNNNCTAGCGTTAC		CAGCCTAATGNNNCTAGCGTTAC		CACGCGAGAGNNNCTAGCGTTAC	

FIG. 13C

Pool-4	SEQ ID NO:	Pool-5	SEQ ID NO:	Pool-6	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	793	TGCAGGACCAGAGAATTGGAATA	1033	TGCAGGACCAGAGAATTGGAATA	1273
CACACAGAAGNNCTAGCGTTAC		CACCGTGTANNNNCTAGCGTTAC		CATAAGTAGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	794	TGCAGGACCAGAGAATTGGAATA	1034	TGCAGGACCAGAGAATTGGAATA	1274
CACGCTAACANNNNCTAGCGTTAC		CACGAGAAACNNNNCTAGCGTTAC		CRAAGACGTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	795	TGCAGGACCAGAGAATTGGAATA	1035	TGCAGGACCAGAGAATTGGAATA	1275
CAGACCTATGNNNNCTAGCGTTAC		CAATGCTCAGNNNNCTAGCGTTAC		CACGGAACAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	796	TGCAGGACCAGAGAATTGGAATA	1036	TGCAGGACCAGAGAATTGGAATA	1276
CAAAAAGGAANNNNCTAGCGTTAC		CAGTCAGCTANNNNCTAGCGTTAC		CACCTGTGGAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	797	TGCAGGACCAGAGAATTGGAATA	1037	TGCAGGACCAGAGAATTGGAATA	1277
CAACAGAGGTNNNNCTAGCGTTAC		CAGGTAGCGGNNNNCTAGCGTTAC		CAAGCCTACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	798	TGCAGGACCAGAGAATTGGAATA	1038	TGCAGGACCAGAGAATTGGAATA	1278
CACGTAGCATGNNNNCTAGCGTTAC		CACCTGGTCCNNNNCTAGCGTTAC		CACCAATTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	799	TGCAGGACCAGAGAATTGGAATA	1039	TGCAGGACCAGAGAATTGGAATA	1279
CATCCCAGCANNNNCTAGCGTTAC		CACAGCACGNNNNCTAGCGTTAC		CAGAGTCTACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	800	TGCAGGACCAGAGAATTGGAATA	1040	TGCAGGACCAGAGAATTGGAATA	1280
CAGTACCTGANNNNCTAGCGTTAC		CACATTGTGNNNNCTAGCGTTAC		CAAATGTTACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	801	TGCAGGACCAGAGAATTGGAATA	1041	TGCAGGACCAGAGAATTGGAATA	1281
CAAGAGAGGANNNNCTAGCGTTAC		CAAGGAACGTNNNNCTAGCGTTAC		CAAGTGCACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	802	TGCAGGACCAGAGAATTGGAATA	1042	TGCAGGACCAGAGAATTGGAATA	1282
CAGTAACTCGNNNNCTAGCGTTAC		CAGTTATTAGNNNNCTAGCGTTAC		CAGGTTAACCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	803	TGCAGGACCAGAGAATTGGAATA	1043	TGCAGGACCAGAGAATTGGAATA	1283
CAGGTACATCANNNNCTAGCGTTAC		CAAATCTTCTNNNNCTAGCGTTAC		CATTGTGGTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	804	TGCAGGACCAGAGAATTGGAATA	1044	TGCAGGACCAGAGAATTGGAATA	1284
CAGTTAACCNNNNCTAGCGTTAC		CAGACAATCCNNNNCTAGCGTTAC		CAAAATGGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	805	TGCAGGACCAGAGAATTGGAATA	1045	TGCAGGACCAGAGAATTGGAATA	1285
CAAACGAGTGNNNNCTAGCGTTAC		CAATCTAGATNNNNCTAGCGTTAC		CACCTGTAGGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	806	TGCAGGACCAGAGAATTGGAATA	1046	TGCAGGACCAGAGAATTGGAATA	1286
CATCTCACTGNNNNCTAGCGTTAC		CAGCGACGTCNNNNCTAGCGTTAC		CACTAAGCGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	807	TGCAGGACCAGAGAATTGGAATA	1047	TGCAGGACCAGAGAATTGGAATA	1287
CATACGAGCTNNNNCTAGCGTTAC		CACACCCCGTNNNNCTAGCGTTAC		CAGTTTATGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	808	TGCAGGACCAGAGAATTGGAATA	1048	TGCAGGACCAGAGAATTGGAATA	1288
CACAGATACNNNNCTAGCGTTAC		CACGCCCTCGTNNNNCTAGCGTTAC		CAACGACTGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	809	TGCAGGACCAGAGAATTGGAATA	1049	TGCAGGACCAGAGAATTGGAATA	1289
CATACATTTNNNNCTAGCGTTAC		CACCTGACACANNNNCTAGCGTTAC		CACCTAGTAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	810	TGCAGGACCAGAGAATTGGAATA	1050	TGCAGGACCAGAGAATTGGAATA	1290
CAGTGTAGGNNNNCTAGCGTTAC		CATGCTTTGNNNNCTAGCGTTAC		CAGGTTCTGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	811	TGCAGGACCAGAGAATTGGAATA	1051	TGCAGGACCAGAGAATTGGAATA	1291
CAGGTTGAAGNNNNCTAGCGTTAC		CAACTGTCTCANNNNCTAGCGTTAC		CATACATCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	812	TGCAGGACCAGAGAATTGGAATA	1052	TGCAGGACCAGAGAATTGGAATA	1292
CACGTCCCTGNNNNCTAGCGTTAC		CATATTGTCTNNNNCTAGCGTTAC		CACCTCGGAATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	813	TGCAGGACCAGAGAATTGGAATA	1053	TGCAGGACCAGAGAATTGGAATA	1293
CAAATCCCTCANNNNCTAGCGTTAC		CAATTTGACANNNNCTAGCGTTAC		CATCAGTTGGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	814	TGCAGGACCAGAGAATTGGAATA	1054	TGCAGGACCAGAGAATTGGAATA	1294
CATGCCCCACNNNNCTAGCGTTAC		CACGCACACGNNNNCTAGCGTTAC		CAAGTGCCTANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	815	TGCAGGACCAGAGAATTGGAATA	1055	TGCAGGACCAGAGAATTGGAATA	1295
CAGTATTATGNNNNCTAGCGTTAC		CACCGCGAACNNNNCTAGCGTTAC		CAGTATGTATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	816	TGCAGGACCAGAGAATTGGAATA	1056	TGCAGGACCAGAGAATTGGAATA	1296
CATTGTATTGANNNNCTAGCGTTAC		CATTAGGCGTNNNNCTAGCGTTAC		CAGCAGCAGGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	817	TGCAGGACCAGAGAATTGGAATA	1057	TGCAGGACCAGAGAATTGGAATA	1297
CATGCGACGNNNNCTAGCGTTAC		CATCGGAGCCNNNNCTAGCGTTAC		CAGCAGGTCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	818	TGCAGGACCAGAGAATTGGAATA	1058	TGCAGGACCAGAGAATTGGAATA	1298
CAGTGGTTCANNNNCTAGCGTTAC		CAGTCTACAGNNNNCTAGCGTTAC		CATGTAGGCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	819	TGCAGGACCAGAGAATTGGAATA	1059	TGCAGGACCAGAGAATTGGAATA	1299
CAGCCGGCTANNNNCTAGCGTTAC		CACCGCGTCTNNNNCTAGCGTTAC		CATAACGACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	820	TGCAGGACCAGAGAATTGGAATA	1060	TGCAGGACCAGAGAATTGGAATA	1300
CACCTTGCGCANNNNCTAGCGTTAC		CATTAACTGNNNNCTAGCGTTAC		CACGATCGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	821	TGCAGGACCAGAGAATTGGAATA	1061	TGCAGGACCAGAGAATTGGAATA	1301
CAGGTAAGTGNNNNCTAGCGTTAC		CAATAAGAACNNNNCTAGCGTTAC		CAGGCCAAGGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	822	TGCAGGACCAGAGAATTGGAATA	1062	TGCAGGACCAGAGAATTGGAATA	1302
CAGTGTCCANNNNCTAGCGTTAC		CAATCATGCGNNNNCTAGCGTTAC		CAGACATAAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	823	TGCAGGACCAGAGAATTGGAATA	1063	TGCAGGACCAGAGAATTGGAATA	1303
CATGCACTGANNNNCTAGCGTTAC		CACCAACTAGNNNNCTAGCGTTAC		CACGCACATANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	824	TGCAGGACCAGAGAATTGGAATA	1064	TGCAGGACCAGAGAATTGGAATA	1304
CAGAACTTTNNNNCTAGCGTTAC		CACCTCAGTANNNNCTAGCGTTAC		CAGCCTAGGCNNNNCTAGCGTTAC	

FIG. 13D

Pool-4	SEQ ID NO:	Pool-5	SEQ ID NO:	Pool-6	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	825	TGCAGGACCAGAGAATTGGAATA	1065	TGCAGGACCAGAGAATTGGAATA	1305
CATGTGTAGCANNCTAGCGTTAC		CACCTTGCCANNCTAGCGTTAC		CATCCGCAANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	826	TGCAGGACCAGAGAATTGGAATA	1066	TGCAGGACCAGAGAATTGGAATA	1306
CATCTACCTGNNNCTAGCGTTAC		CAAAATTCGANNCTAGCGTTAC		CACCTTAGANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	827	TGCAGGACCAGAGAATTGGAATA	1067	TGCAGGACCAGAGAATTGGAATA	1307
CATCTCTTAANNCTAGCGTTAC		CAGATCGCATNNNCTAGCGTTAC		CACGGCGGAANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	828	TGCAGGACCAGAGAATTGGAATA	1068	TGCAGGACCAGAGAATTGGAATA	1308
CAATCGAATGNNNCTAGCGTTAC		CATGTGTTGNNNCTAGCGTTAC		CAGTAGCCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	829	TGCAGGACCAGAGAATTGGAATA	1069	TGCAGGACCAGAGAATTGGAATA	1309
CATTTTGGTNNNCTAGCGTTAC		CAGTAACATTNNNCTAGCGTTAC		CAGCTGTCAANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	830	TGCAGGACCAGAGAATTGGAATA	1070	TGCAGGACCAGAGAATTGGAATA	1310
CATCAGTCCTNNNCTAGCGTTAC		CAACGCGCATCANNCTAGCGTTAC		CAGTGCCAGANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	831	TGCAGGACCAGAGAATTGGAATA	1071	TGCAGGACCAGAGAATTGGAATA	1311
CAGTGACATNNNCTAGCGTTAC		CATAGGAAGCANNCTAGCGTTAC		CATTCTATCANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	832	TGCAGGACCAGAGAATTGGAATA	1072	TGCAGGACCAGAGAATTGGAATA	1312
CAGTAGAAGCANNCTAGCGTTAC		CAGCAATGTCNNNCTAGCGTTAC		CACCCATGCCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	833	TGCAGGACCAGAGAATTGGAATA	1073	TGCAGGACCAGAGAATTGGAATA	1313
CACAGCATTGNNNCTAGCGTTAC		CAGCCGCGCATNNNCTAGCGTTAC		CATTAGTTGANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	834	TGCAGGACCAGAGAATTGGAATA	1074	TGCAGGACCAGAGAATTGGAATA	1314
CACGCGTAGGNNNCTAGCGTTAC		CACCTGAGCGCANNCTAGCGTTAC		CAATCAGAAANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	835	TGCAGGACCAGAGAATTGGAATA	1075	TGCAGGACCAGAGAATTGGAATA	1315
CACAGTTTGGNNNCTAGCGTTAC		CACCTGCTGCCNNNCTAGCGTTAC		CATTAGAACTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	836	TGCAGGACCAGAGAATTGGAATA	1076	TGCAGGACCAGAGAATTGGAATA	1316
CATCCCAAGANNCTAGCGTTAC		CAGTGCCGGAANNCTAGCGTTAC		CAGTGCTATGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	837	TGCAGGACCAGAGAATTGGAATA	1077	TGCAGGACCAGAGAATTGGAATA	1317
CATTAGGACCNNNCTAGCGTTAC		CAAGGCTACTNNNCTAGCGTTAC		CATTGGATCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	838	TGCAGGACCAGAGAATTGGAATA	1078	TGCAGGACCAGAGAATTGGAATA	1318
CAACAATTTGNNNCTAGCGTTAC		CAACTTTGTTNNNCTAGCGTTAC		CACAAGAATANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	839	TGCAGGACCAGAGAATTGGAATA	1079	TGCAGGACCAGAGAATTGGAATA	1319
CATGCTCGAANNCTAGCGTTAC		CAGCCATATGNNNCTAGCGTTAC		CAAGCACCATTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	840	TGCAGGACCAGAGAATTGGAATA	1080	TGCAGGACCAGAGAATTGGAATA	1320
CAGGCGGTAGNNNCTAGCGTTAC		CAAGCCTGGCANNCTAGCGTTAC		CAACTAGACCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	841	TGCAGGACCAGAGAATTGGAATA	1081	TGCAGGACCAGAGAATTGGAATA	1321
CAAAATTAACNNNCTAGCGTTAC		CAACGTGTGNNNCTAGCGTTAC		CAATCATTAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	842	TGCAGGACCAGAGAATTGGAATA	1082	TGCAGGACCAGAGAATTGGAATA	1322
CACGACACCGNNNCTAGCGTTAC		CATTTTCTAGNNNCTAGCGTTAC		CAAGAACCTCANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	843	TGCAGGACCAGAGAATTGGAATA	1083	TGCAGGACCAGAGAATTGGAATA	1323
CAGTGAGGATNNNCTAGCGTTAC		CAGCTCGGACNNNCTAGCGTTAC		CAGATTTTCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	844	TGCAGGACCAGAGAATTGGAATA	1084	TGCAGGACCAGAGAATTGGAATA	1324
CAAAATTAANNCTAGCGTTAC		CACAAAATAGNNNCTAGCGTTAC		CAAGTACGGAANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	845	TGCAGGACCAGAGAATTGGAATA	1085	TGCAGGACCAGAGAATTGGAATA	1325
CACATGCCAANNCTAGCGTTAC		CACTAAACTANNNCTAGCGTTAC		CACGCGTAAANNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	846	TGCAGGACCAGAGAATTGGAATA	1086	TGCAGGACCAGAGAATTGGAATA	1326
CACCATCAGANNCTAGCGTTAC		CAAAATGATGNNNCTAGCGTTAC		CAAGTTGGTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	847	TGCAGGACCAGAGAATTGGAATA	1087	TGCAGGACCAGAGAATTGGAATA	1327
CAATATAAANNCTAGCGTTAC		CACCTGCTTGGNNNCTAGCGTTAC		CATGCGCACGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	848	TGCAGGACCAGAGAATTGGAATA	1088	TGCAGGACCAGAGAATTGGAATA	1328
CAGCCTCCGTTNNNCTAGCGTTAC		CAGATAGGCANNCTAGCGTTAC		CATTGGTACGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	849	TGCAGGACCAGAGAATTGGAATA	1089	TGCAGGACCAGAGAATTGGAATA	1329
CATCCAAATCCNNNGATCGACATG		CACAGATTATNNNGATCGACATG		CAATGAGATANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	850	TGCAGGACCAGAGAATTGGAATA	1090	TGCAGGACCAGAGAATTGGAATA	1330
CAAAATGCCNNNGATCGACATG		CAGTTACGGTNNNGATCGACATG		CAATCGGTACNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	851	TGCAGGACCAGAGAATTGGAATA	1091	TGCAGGACCAGAGAATTGGAATA	1331
CAACTGTCCANNNGATCGACATG		CAACAGTTGCNNNGATCGACATG		CATGTGTTCCNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	852	TGCAGGACCAGAGAATTGGAATA	1092	TGCAGGACCAGAGAATTGGAATA	1332
CAGCTGTTGANNNGATCGACATG		CAAACTGCANNNGATCGACATG		CATGTGTATANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	853	TGCAGGACCAGAGAATTGGAATA	1093	TGCAGGACCAGAGAATTGGAATA	1333
CAGGTAACCTNNNGATCGACATG		CAAGAATATGNNNGATCGACATG		CAGTGGATCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	854	TGCAGGACCAGAGAATTGGAATA	1094	TGCAGGACCAGAGAATTGGAATA	1334
CACCTTTCCNNNGATCGACATG		CATCGTCTANNNGATCGACATG		CATCTCAATNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	855	TGCAGGACCAGAGAATTGGAATA	1095	TGCAGGACCAGAGAATTGGAATA	1335
CAGAGAGCCGNNNGATCGACATG		CACAGAATCCNNNGATCGACATG		CACGCGTGTGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	856	TGCAGGACCAGAGAATTGGAATA	1096	TGCAGGACCAGAGAATTGGAATA	1336
CACAGACAGANNNGATCGACATG		CACCTTGACAGNNNGATCGACATG		CACCTCTCGGNNNGATCGACATG	

FIG. 13E

Pool-4	SEQ ID NO:	Pool-5	SEQ ID NO:	Pool-6	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	857	TGCAGGACCAGAGAATTGGAATA	1097	TGCAGGACCAGAGAATTGGAATA	1337
CATATATGACNNNGATCGACATG		CACCTGGTAGTNNNGATCGACATG		CAGACTAATTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	858	TGCAGGACCAGAGAATTGGAATA	1098	TGCAGGACCAGAGAATTGGAATA	1338
CAGTCCGACGNNNGATCGACATG		CACGGATCTANNNGATCGACATG		CACAATAAGANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	859	TGCAGGACCAGAGAATTGGAATA	1099	TGCAGGACCAGAGAATTGGAATA	1339
CAACTGCATGNNNGATCGACATG		CAAAAAAGAGNNNGATCGACATG		CATTTACCGCNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	860	TGCAGGACCAGAGAATTGGAATA	1100	TGCAGGACCAGAGAATTGGAATA	1340
CATACCTAAANNNGATCGACATG		CAGGAGACATNNNGATCGACATG		CAGTGTATTANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	861	TGCAGGACCAGAGAATTGGAATA	1101	TGCAGGACCAGAGAATTGGAATA	1341
CAACCAGATCANNNGATCGACATG		CATCCGGAGCANNNGATCGACATG		CAAGATGTAANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	862	TGCAGGACCAGAGAATTGGAATA	1102	TGCAGGACCAGAGAATTGGAATA	1342
CAGGCCAATGNNNGATCGACATG		CATGTTATTNNNGATCGACATG		CATTATTCTGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	863	TGCAGGACCAGAGAATTGGAATA	1103	TGCAGGACCAGAGAATTGGAATA	1343
CAGAAGCTCTNNNGATCGACATG		CAGCGAGACGNNNGATCGACATG		CAAGTCACACNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	864	TGCAGGACCAGAGAATTGGAATA	1104	TGCAGGACCAGAGAATTGGAATA	1344
CACCACCAANNNGATCGACATG		CATTATCGAANNNGATCGACATG		CACCTGACAANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	865	TGCAGGACCAGAGAATTGGAATA	1105	TGCAGGACCAGAGAATTGGAATA	1345
CATTTTCCAANNNGATCGACATG		CAGTGCCAAATNNNGATCGACATG		CAACGCCGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	866	TGCAGGACCAGAGAATTGGAATA	1106	TGCAGGACCAGAGAATTGGAATA	1346
CAGTTAGTTANNNGATCGACATG		CAGCTAAAAANNNGATCGACATG		CAGGTGACCCNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	867	TGCAGGACCAGAGAATTGGAATA	1107	TGCAGGACCAGAGAATTGGAATA	1347
CATCAGCTCTNNNGATCGACATG		CAATCCAATANNNGATCGACATG		CACCTTAGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	868	TGCAGGACCAGAGAATTGGAATA	1108	TGCAGGACCAGAGAATTGGAATA	1348
CATGCCGAGGNNNGATCGACATG		CATTCAAGGCNNNGATCGACATG		CACCTCGCTATNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	869	TGCAGGACCAGAGAATTGGAATA	1109	TGCAGGACCAGAGAATTGGAATA	1349
CATCTGCAAGNNNGATCGACATG		CATTATTAAANNNGATCGACATG		CAAGCCTAGTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	870	TGCAGGACCAGAGAATTGGAATA	1110	TGCAGGACCAGAGAATTGGAATA	1350
CATCTAACCNNNGATCGACATG		CAAACTCTAANNNGATCGACATG		CAGAGAGTTGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	871	TGCAGGACCAGAGAATTGGAATA	1111	TGCAGGACCAGAGAATTGGAATA	1351
CACGTAGGAANNNGATCGACATG		CAGACTCCAANNNGATCGACATG		CATAAGAGGCNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	872	TGCAGGACCAGAGAATTGGAATA	1112	TGCAGGACCAGAGAATTGGAATA	1352
CACAAGACTCANNNGATCGACATG		CACAGCCCTCANNNGATCGACATG		CAGTTAATACNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	873	TGCAGGACCAGAGAATTGGAATA	1113	TGCAGGACCAGAGAATTGGAATA	1353
CATTCCGTGTTNNNGATCGACATG		CAGAGTCACTNNNGATCGACATG		CAGGTCCGCANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	874	TGCAGGACCAGAGAATTGGAATA	1114	TGCAGGACCAGAGAATTGGAATA	1354
CAGTGAACGANNNGATCGACATG		CAAGAACTGGNNNGATCGACATG		CATAAGCATTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	875	TGCAGGACCAGAGAATTGGAATA	1115	TGCAGGACCAGAGAATTGGAATA	1355
CAGCTAAACNNNGATCGACATG		CAGCGTATTGNNNGATCGACATG		CAGTACGCATNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	876	TGCAGGACCAGAGAATTGGAATA	1116	TGCAGGACCAGAGAATTGGAATA	1356
CACAATTTTCNNNGATCGACATG		CACCTTAAATGNNNGATCGACATG		CAAACGAACGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	877	TGCAGGACCAGAGAATTGGAATA	1117	TGCAGGACCAGAGAATTGGAATA	1357
CATGAGGAACNNNGATCGACATG		CATTAGCCTCANNNGATCGACATG		CAGTAGGTTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	878	TGCAGGACCAGAGAATTGGAATA	1118	TGCAGGACCAGAGAATTGGAATA	1358
CAGTAATCTANNNGATCGACATG		CAACCAGAGANNNGATCGACATG		CACCTTTTTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	879	TGCAGGACCAGAGAATTGGAATA	1119	TGCAGGACCAGAGAATTGGAATA	1359
CATATCTCCGNNNGATCGACATG		CATCAGCCAAANNNGATCGACATG		CAATGACCCANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	880	TGCAGGACCAGAGAATTGGAATA	1120	TGCAGGACCAGAGAATTGGAATA	1360
CAGCTACGGCANNNGATCGACATG		CACCGAATACNNNGATCGACATG		CAATCAGTTANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	881	TGCAGGACCAGAGAATTGGAATA	1121	TGCAGGACCAGAGAATTGGAATA	1361
CAATATCTGANNNGATCGACATG		CAGCGGCAAGNNNGATCGACATG		CATAGTAAAGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	882	TGCAGGACCAGAGAATTGGAATA	1122	TGCAGGACCAGAGAATTGGAATA	1362
CATACTTAGANNNGATCGACATG		CATAAATCGTNNNGATCGACATG		CACCCGATGGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	883	TGCAGGACCAGAGAATTGGAATA	1123	TGCAGGACCAGAGAATTGGAATA	1363
CATCATTTTGNNGATCGACATG		CAAAGCTTCGNNNGATCGACATG		CACACAGCATNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	884	TGCAGGACCAGAGAATTGGAATA	1124	TGCAGGACCAGAGAATTGGAATA	1364
CAGCGTGGAGNNNGATCGACATG		CAATGCATATNNNGATCGACATG		CACAGGTACTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	885	TGCAGGACCAGAGAATTGGAATA	1125	TGCAGGACCAGAGAATTGGAATA	1365
CATAAGACGNNNGATCGACATG		CATCTCTCTCANNNGATCGACATG		CACATAACCGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	886	TGCAGGACCAGAGAATTGGAATA	1126	TGCAGGACCAGAGAATTGGAATA	1366
CAAGGCCCTTANNNGATCGACATG		CATAGTGGTCNNNGATCGACATG		CAGTACTGGTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	887	TGCAGGACCAGAGAATTGGAATA	1127	TGCAGGACCAGAGAATTGGAATA	1367
CACATCTCACNNNGATCGACATG		CAGAAACCTCANNNGATCGACATG		CAGCAAGTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	888	TGCAGGACCAGAGAATTGGAATA	1128	TGCAGGACCAGAGAATTGGAATA	1368
CATGCGATCANNNGATCGACATG		CATGACTATANNNGATCGACATG		CACGTGCTCCNNNGATCGACATG	

FIG. 13F

Pool-4	SEQ ID NO:	Pool-5	SEQ ID NO:	Pool-6	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	889	TGCAGGACCAGAGAATTGGAATA	1129	TGCAGGACCAGAGAATTGGAATA	1369
CACGGAGGACNNNGATCGACATG		CACATGACTGNNNGATCGACATG		CACACTACCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	890	TGCAGGACCAGAGAATTGGAATA	1130	TGCAGGACCAGAGAATTGGAATA	1370
CAACTAATTGNNNGATCGACATG		CACCAAAGTCNNNGATCGACATG		CAGTGTATATNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	891	TGCAGGACCAGAGAATTGGAATA	1131	TGCAGGACCAGAGAATTGGAATA	1371
CATGCCATAGANNNGATCGACATG		CACGCATTTCNNNGATCGACATG		CAATGACGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	892	TGCAGGACCAGAGAATTGGAATA	1132	TGCAGGACCAGAGAATTGGAATA	1372
CACATATCCGTTNNNGATCGACATG		CAACCCGCTGNNNGATCGACATG		CAAGGCACCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	893	TGCAGGACCAGAGAATTGGAATA	1133	TGCAGGACCAGAGAATTGGAATA	1373
CATGCCAGGCGNNNGATCGACATG		CACCTTGCGTTNNNGATCGACATG		CAGGCAGGCANNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	894	TGCAGGACCAGAGAATTGGAATA	1134	TGCAGGACCAGAGAATTGGAATA	1374
CAGCGGAGCANNNGATCGACATG		CATTATGCAANNNGATCGACATG		CACATGTGTTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	895	TGCAGGACCAGAGAATTGGAATA	1135	TGCAGGACCAGAGAATTGGAATA	1375
CAAGACCCATNNNGATCGACATG		CATATTTGAGNNNGATCGACATG		CATAAATATTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	896	TGCAGGACCAGAGAATTGGAATA	1136	TGCAGGACCAGAGAATTGGAATA	1376
CATTGACCTCANNNGATCGACATG		CATGTTTCGTTNNNGATCGACATG		CAGACACCACTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	897	TGCAGGACCAGAGAATTGGAATA	1137	TGCAGGACCAGAGAATTGGAATA	1377
CACCTTGCTCANNNGATCGACATG		CATAGCATCGNNNGATCGACATG		CATAGATACTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	898	TGCAGGACCAGAGAATTGGAATA	1138	TGCAGGACCAGAGAATTGGAATA	1378
CAATGCTGCANNNGATCGACATG		CATTTCAGAGCANNNGATCGACATG		CATACCCCTGTTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	899	TGCAGGACCAGAGAATTGGAATA	1139	TGCAGGACCAGAGAATTGGAATA	1379
CAAACGGACANNNGATCGACATG		CAAACGCGAGANNNGATCGACATG		CAGTCGCGCGANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	900	TGCAGGACCAGAGAATTGGAATA	1140	TGCAGGACCAGAGAATTGGAATA	1380
CAGCGATCATNNNGATCGACATG		CATATGGCGTTNNNGATCGACATG		CACCTCTTAGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	901	TGCAGGACCAGAGAATTGGAATA	1141	TGCAGGACCAGAGAATTGGAATA	1381
CATGAGACAGNNNGATCGACATG		CAAGCCTATGNNNGATCGACATG		CATAAGATTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	902	TGCAGGACCAGAGAATTGGAATA	1142	TGCAGGACCAGAGAATTGGAATA	1382
CAGCCACTGGNNNGATCGACATG		CACACTCTACNNNGATCGACATG		CACGCGTACGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	903	TGCAGGACCAGAGAATTGGAATA	1143	TGCAGGACCAGAGAATTGGAATA	1383
CAGGTTTGACNNNGATCGACATG		CAAAACTGAANNNGATCGACATG		CACTGACCAANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	904	TGCAGGACCAGAGAATTGGAATA	1144	TGCAGGACCAGAGAATTGGAATA	1384
CAAACCTTGGCANNNGATCGACATG		CACCTTCGCGCANNNGATCGACATG		CAAAGACCGANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	905	TGCAGGACCAGAGAATTGGAATA	1145	TGCAGGACCAGAGAATTGGAATA	1385
CAACCTAATANNNGATCGACATG		CAACGTGCGCANNNGATCGACATG		CAAAATGATTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	906	TGCAGGACCAGAGAATTGGAATA	1146	TGCAGGACCAGAGAATTGGAATA	1386
CAGCACAGAANNNGATCGACATG		CAGTACCCAAANNNGATCGACATG		CACCCCCAAANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	907	TGCAGGACCAGAGAATTGGAATA	1147	TGCAGGACCAGAGAATTGGAATA	1387
CATGTGTGAGNNNGATCGACATG		CAACCGCATANNNGATCGACATG		CAGCCTGAATTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	908	TGCAGGACCAGAGAATTGGAATA	1148	TGCAGGACCAGAGAATTGGAATA	1388
CAAGTAACAANNNGATCGACATG		CAAAACAGCTNNNGATCGACATG		CATCGGTAGTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	909	TGCAGGACCAGAGAATTGGAATA	1149	TGCAGGACCAGAGAATTGGAATA	1389
CATCTGAGCANNNTGCATCAGGT		CAGAGCGAGCANNNTGCATCAGGT		CATGGCTCGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	910	TGCAGGACCAGAGAATTGGAATA	1150	TGCAGGACCAGAGAATTGGAATA	1390
CAAGTGGAAACNNNTGCATCAGGT		CATTTTATTANNNTGCATCAGGT		CACAATCCTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	911	TGCAGGACCAGAGAATTGGAATA	1151	TGCAGGACCAGAGAATTGGAATA	1391
CAGAACTCGTNNNTGCATCAGGT		CAGCTAGGTTNNNTGCATCAGGT		CATAGAGACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	912	TGCAGGACCAGAGAATTGGAATA	1152	TGCAGGACCAGAGAATTGGAATA	1392
CAGCAGGCGANNNTGCATCAGGT		CATTTGACTTNNNTGCATCAGGT		CAGCGGATGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	913	TGCAGGACCAGAGAATTGGAATA	1153	TGCAGGACCAGAGAATTGGAATA	1393
CAGGCTCTCCNNNTGCATCAGGT		CACAAACATTNNNTGCATCAGGT		CACCTCACCATTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	914	TGCAGGACCAGAGAATTGGAATA	1154	TGCAGGACCAGAGAATTGGAATA	1394
CAAATACATCANNNTGCATCAGGT		CATTGCAATANNNTGCATCAGGT		CAATGGTAAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	915	TGCAGGACCAGAGAATTGGAATA	1155	TGCAGGACCAGAGAATTGGAATA	1395
CAAGGTCAAGNNNTGCATCAGGT		CAACAAGGCANNNTGCATCAGGT		CATATCAACANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	916	TGCAGGACCAGAGAATTGGAATA	1156	TGCAGGACCAGAGAATTGGAATA	1396
CATGAGCCGCGNNNTGCATCAGGT		CAGGTGCTGCGNNNTGCATCAGGT		CAAAAGTCAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	917	TGCAGGACCAGAGAATTGGAATA	1157	TGCAGGACCAGAGAATTGGAATA	1397
CATTAGTTTCNNNTGCATCAGGT		CAAGGTGCTTNNNTGCATCAGGT		CACAAAGGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	918	TGCAGGACCAGAGAATTGGAATA	1158	TGCAGGACCAGAGAATTGGAATA	1398
CAGTCGTAGTNNNTGCATCAGGT		CACAACGGAAANNNTGCATCAGGT		CACGATGACTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	919	TGCAGGACCAGAGAATTGGAATA	1159	TGCAGGACCAGAGAATTGGAATA	1399
CAAAAGGATTNNNTGCATCAGGT		CAGATCCAACNNNTGCATCAGGT		CACGATTGTGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	920	TGCAGGACCAGAGAATTGGAATA	1160	TGCAGGACCAGAGAATTGGAATA	1400
CATTTTTCAGCANNNTGCATCAGGT		CAGGAAGACTNNNTGCATCAGGT		CATTATCTTGNNTGCATCAGGT	

FIG. 13G

Pool-4	SEQ ID NO:	Pool-5	SEQ ID NO:	Pool-6	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	921	TGCAGGACCAGAGAATTGGAATA	1161	TGCAGGACCAGAGAATTGGAATA	1401
CAATAACTCANNNTGCATCAGGT		CAGGTAAATANNNTGCATCAGGT		CAGTATTGATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	922	TGCAGGACCAGAGAATTGGAATA	1162	TGCAGGACCAGAGAATTGGAATA	1402
CATTTTAACCNNTGCATCAGGT		CAGGTAGAACNNNTGCATCAGGT		CAAGGAGGTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	923	TGCAGGACCAGAGAATTGGAATA	1163	TGCAGGACCAGAGAATTGGAATA	1403
CAGTGCCGACNNNTGCATCAGGT		CAATATGAGANNNTGCATCAGGT		CAACTGCCCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	924	TGCAGGACCAGAGAATTGGAATA	1164	TGCAGGACCAGAGAATTGGAATA	1404
CAGAATAGATNNNTGCATCAGGT		CATGGAAATANNNTGCATCAGGT		CAAAATCTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	925	TGCAGGACCAGAGAATTGGAATA	1165	TGCAGGACCAGAGAATTGGAATA	1405
CAGCTGAGCCNNNTGCATCAGGT		CATAACCAATNNNTGCATCAGGT		CACCATGTGANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	926	TGCAGGACCAGAGAATTGGAATA	1166	TGCAGGACCAGAGAATTGGAATA	1406
CAACAGGCAANNNTGCATCAGGT		CAGTCTGATGNNNTGCATCAGGT		CACCCCTTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	927	TGCAGGACCAGAGAATTGGAATA	1167	TGCAGGACCAGAGAATTGGAATA	1407
CAGACCGCACNNNTGCATCAGGT		CATTTATGAGNNNTGCATCAGGT		CAGCTAGCGCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	928	TGCAGGACCAGAGAATTGGAATA	1168	TGCAGGACCAGAGAATTGGAATA	1408
CACCTTATTCANNNTGCATCAGGT		CAATGATTGNNNTGCATCAGGT		CAAAACCCGTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	929	TGCAGGACCAGAGAATTGGAATA	1169	TGCAGGACCAGAGAATTGGAATA	1409
CAGTGTGCTANNNTGCATCAGGT		CACCTCATGCTNNNTGCATCAGGT		CACCTGAGATCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	930	TGCAGGACCAGAGAATTGGAATA	1170	TGCAGGACCAGAGAATTGGAATA	1410
CAATTTAGTGNNNTGCATCAGGT		CACCTCCATACNNNTGCATCAGGT		CAAAATGCGTCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	931	TGCAGGACCAGAGAATTGGAATA	1171	TGCAGGACCAGAGAATTGGAATA	1411
CATCGGAGAANNNTGCATCAGGT		CAGCTAGCATNNNTGCATCAGGT		CAATTGCCAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	932	TGCAGGACCAGAGAATTGGAATA	1172	TGCAGGACCAGAGAATTGGAATA	1412
CACGCCGAACNNNTGCATCAGGT		CAAAATCATCANNNTGCATCAGGT		CATTAATTCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	933	TGCAGGACCAGAGAATTGGAATA	1173	TGCAGGACCAGAGAATTGGAATA	1413
CAGCTTGCCNNNTGCATCAGGT		CACGTCTCATNNNTGCATCAGGT		CAAGCATATTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	934	TGCAGGACCAGAGAATTGGAATA	1174	TGCAGGACCAGAGAATTGGAATA	1414
CAACAATCATNNNTGCATCAGGT		CAACTCGTTCNNNTGCATCAGGT		CACCCATTACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	935	TGCAGGACCAGAGAATTGGAATA	1175	TGCAGGACCAGAGAATTGGAATA	1415
CATGATCGCANNNTGCATCAGGT		CAAGTTCTGNNNTGCATCAGGT		CACCTCGTTTGNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	936	TGCAGGACCAGAGAATTGGAATA	1176	TGCAGGACCAGAGAATTGGAATA	1416
CACACAGTACNNNTGCATCAGGT		CAACTAGTATNNNTGCATCAGGT		CAGGTATCGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	937	TGCAGGACCAGAGAATTGGAATA	1177	TGCAGGACCAGAGAATTGGAATA	1417
CAGTCAAGTCNNNTGCATCAGGT		CAATTGCGCANNNTGCATCAGGT		CAGTACCCTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	938	TGCAGGACCAGAGAATTGGAATA	1178	TGCAGGACCAGAGAATTGGAATA	1418
CAGCTCCCACNNNTGCATCAGGT		CACGAGCGCTNNNTGCATCAGGT		CACAACCTTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	939	TGCAGGACCAGAGAATTGGAATA	1179	TGCAGGACCAGAGAATTGGAATA	1419
CATTACTTGTNNNTGCATCAGGT		CAACGACCATNNNTGCATCAGGT		CAGAACTTGCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	940	TGCAGGACCAGAGAATTGGAATA	1180	TGCAGGACCAGAGAATTGGAATA	1420
CATAATGTGNNNTGCATCAGGT		CATAAGTGAANNNTGCATCAGGT		CATATTATGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	941	TGCAGGACCAGAGAATTGGAATA	1181	TGCAGGACCAGAGAATTGGAATA	1421
CATACCATTTNNNTGCATCAGGT		CATCTCGCCGNNNTGCATCAGGT		CAGCCCGCGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	942	TGCAGGACCAGAGAATTGGAATA	1182	TGCAGGACCAGAGAATTGGAATA	1422
CAGTCCGTAAANNNTGCATCAGGT		CAAATACTGTNNNTGCATCAGGT		CAGCAAAAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	943	TGCAGGACCAGAGAATTGGAATA	1183	TGCAGGACCAGAGAATTGGAATA	1423
CAAGCGGTAAANNNTGCATCAGGT		CATATGTTCTNNNTGCATCAGGT		CAGATACGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	944	TGCAGGACCAGAGAATTGGAATA	1184	TGCAGGACCAGAGAATTGGAATA	1424
CAGGAAACTGNNNTGCATCAGGT		CACCAGCGGTNNNTGCATCAGGT		CACAGTATCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	945	TGCAGGACCAGAGAATTGGAATA	1185	TGCAGGACCAGAGAATTGGAATA	1425
CAGGGCCAGCTNNNTGCATCAGGT		CACGGTTGATNNNTGCATCAGGT		CACCTCACTGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	946	TGCAGGACCAGAGAATTGGAATA	1186	TGCAGGACCAGAGAATTGGAATA	1426
CATCATTGAANNNTGCATCAGGT		CACGCTGCAGNNNTGCATCAGGT		CACCGTCAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	947	TGCAGGACCAGAGAATTGGAATA	1187	TGCAGGACCAGAGAATTGGAATA	1427
CAGCGTCAATNNNTGCATCAGGT		CAGTCTAAATNNNTGCATCAGGT		CAGCTTCTGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	948	TGCAGGACCAGAGAATTGGAATA	1188	TGCAGGACCAGAGAATTGGAATA	1428
CACGGAAGCGNNNTGCATCAGGT		CAGTAATTACNNNTGCATCAGGT		CATTATATTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	949	TGCAGGACCAGAGAATTGGAATA	1189	TGCAGGACCAGAGAATTGGAATA	1429
CAGTTGCAACNNNTGCATCAGGT		CATTCGGTTNNNTGCATCAGGT		CAGGTTTACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	950	TGCAGGACCAGAGAATTGGAATA	1190	TGCAGGACCAGAGAATTGGAATA	1430
CAGGGCCCTTNNNTGCATCAGGT		CAGAGCGTGGNNNTGCATCAGGT		CAGGACGATANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	951	TGCAGGACCAGAGAATTGGAATA	1191	TGCAGGACCAGAGAATTGGAATA	1431
CAATGGCTCANNNTGCATCAGGT		CAATTTACTCANNNTGCATCAGGT		CAAGTCAGGANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	952	TGCAGGACCAGAGAATTGGAATA	1192	TGCAGGACCAGAGAATTGGAATA	1432
CATTGACGGTNNNTGCATCAGGT		CACAACACTGNNNTGCATCAGGT		CACACGAACNNNTGCATCAGGT	

FIG. 13H

Pool-4	SEQ ID NO:	Pool-5	SEQ ID NO:	Pool-6	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA CATGGACGTTNNNTGCATCAGGT	953	TGCAGGACCAGAGAATTGGAATA CACCGCGGCGNNNTGCATCAGGT	1193	TGCAGGACCAGAGAATTGGAATA CAAGCCATGTTNNNTGCATCAGGT	1433
TGCAGGACCAGAGAATTGGAATA CATGACAGTCNNNTGCATCAGGT	954	TGCAGGACCAGAGAATTGGAATA CACTAAGCTGNNNTGCATCAGGT	1194	TGCAGGACCAGAGAATTGGAATA CATTCCTGCTNNNTGCATCAGGT	1434
TGCAGGACCAGAGAATTGGAATA CACTAGCTGTTNNNTGCATCAGGT	955	TGCAGGACCAGAGAATTGGAATA CAATTCAAGTNNNTGCATCAGGT	1195	TGCAGGACCAGAGAATTGGAATA CAACCCGTGTTNNNTGCATCAGGT	1435
TGCAGGACCAGAGAATTGGAATA CAAGGTCCCGNNNTGCATCAGGT	956	TGCAGGACCAGAGAATTGGAATA CAATTGGCGTNNNTGCATCAGGT	1196	TGCAGGACCAGAGAATTGGAATA CACCCCTTCTNNNTGCATCAGGT	1436
TGCAGGACCAGAGAATTGGAATA CATTTCATCTANNNTGCATCAGGT	957	TGCAGGACCAGAGAATTGGAATA CATGATTTGANNNTGCATCAGGT	1197	TGCAGGACCAGAGAATTGGAATA CAATGTTGATNNNTGCATCAGGT	1437
TGCAGGACCAGAGAATTGGAATA CAGATAAAGTNNNTGCATCAGGT	958	TGCAGGACCAGAGAATTGGAATA CAACTGGCGGNNNTGCATCAGGT	1198	TGCAGGACCAGAGAATTGGAATA CACACTGGCGNNNTGCATCAGGT	1438
TGCAGGACCAGAGAATTGGAATA CACACGAAANNNTGCATCAGGT	959	TGCAGGACCAGAGAATTGGAATA CATTAATCCTNNNTGCATCAGGT	1199	TGCAGGACCAGAGAATTGGAATA CATTCGGTAGNNNTGCATCAGGT	1439
TGCAGGACCAGAGAATTGGAATA CATGTGAGGANNNTGCATCAGGT	960	TGCAGGACCAGAGAATTGGAATA CACTACGCTNNNTGCATCAGGT	1200	TGCAGGACCAGAGAATTGGAATA CAACCCGTGCGNNNTGCATCAGGT	1440
TGCAGGACCAGAGAATTGGAATA CACGTGATCANNNTGCATCAGGT	961	TGCAGGACCAGAGAATTGGAATA CATAGCTATANNNTGCATCAGGT	1201	TGCAGGACCAGAGAATTGGAATA CAGTACCTAGNNNTGCATCAGGT	1441
TGCAGGACCAGAGAATTGGAATA CATGCGTTGANNNTGCATCAGGT	962	TGCAGGACCAGAGAATTGGAATA CATGCACTCTNNNTGCATCAGGT	1202	TGCAGGACCAGAGAATTGGAATA CACGATAATTNNNTGCATCAGGT	1442
TGCAGGACCAGAGAATTGGAATA CATCGCTCCGNNNTGCATCAGGT	963	TGCAGGACCAGAGAATTGGAATA CAGTGCTCCGNNNTGCATCAGGT	1203	TGCAGGACCAGAGAATTGGAATA CAGCCAACCGNNNTGCATCAGGT	1443
TGCAGGACCAGAGAATTGGAATA CACCAGTCAANNNTGCATCAGGT	964	TGCAGGACCAGAGAATTGGAATA CAGCCACCAGNNNTGCATCAGGT	1204	TGCAGGACCAGAGAATTGGAATA CATAACATCANNNTGCATCAGGT	1444
TGCAGGACCAGAGAATTGGAATA CACACATTCCNNNTGCATCAGGT	965	TGCAGGACCAGAGAATTGGAATA CATTATGTGANNNTGCATCAGGT	1205	TGCAGGACCAGAGAATTGGAATA CAGCAAGAACNNNTGCATCAGGT	1445
TGCAGGACCAGAGAATTGGAATA CAGGTATATTNNNTGCATCAGGT	966	TGCAGGACCAGAGAATTGGAATA CAATACTCCGNNNTGCATCAGGT	1206	TGCAGGACCAGAGAATTGGAATA CAACGTGATCNNNTGCATCAGGT	1446
TGCAGGACCAGAGAATTGGAATA CATAAGATGANNNTGCATCAGGT	967	TGCAGGACCAGAGAATTGGAATA CAACTATGCGNNNTGCATCAGGT	1207	TGCAGGACCAGAGAATTGGAATA CACGTTCTTANNNTGCATCAGGT	1447
TGCAGGACCAGAGAATTGGAATA CATTAATAATTNNNTGCATCAGGT	968	TGCAGGACCAGAGAATTGGAATA CAACGCGCTGNNNTGCATCAGGT	1208	TGCAGGACCAGAGAATTGGAATA CAATGCCAGTNNNTGCATCAGGT	1448

FIG. 14A

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CACAGGCTCGNNNACGTATGCCA	1449	TGCAGGACCAGAGAATTCGAATA CAACTACCAGNNNACGTATGCCA	1689	TGCAGGACCAGAGAATTCGAATA CAGAACGCCNNNACGTATGCCA	1929
TGCAGGACCAGAGAATTCGAATA CATTGAAGCCNNNACGTATGCCA	1450	TGCAGGACCAGAGAATTCGAATA CATTATTGAGNNNACGTATGCCA	1690	TGCAGGACCAGAGAATTCGAATA CAACCAATGCGNNNACGTATGCCA	1930
TGCAGGACCAGAGAATTCGAATA CACACAGAGANNNACGTATGCCA	1451	TGCAGGACCAGAGAATTCGAATA CAACTGTGTGNNNACGTATGCCA	1691	TGCAGGACCAGAGAATTCGAATA CAGACCGATTNNNACGTATGCCA	1931
TGCAGGACCAGAGAATTCGAATA CAGGACTCCGNNNACGTATGCCA	1452	TGCAGGACCAGAGAATTCGAATA CATTGATCGGNNNACGTATGCCA	1692	TGCAGGACCAGAGAATTCGAATA CAATGTTATTGNNNACGTATGCCA	1932
TGCAGGACCAGAGAATTCGAATA CATTGGTTAANNNACGTATGCCA	1453	TGCAGGACCAGAGAATTCGAATA CATTCTCGGTNNNACGTATGCCA	1693	TGCAGGACCAGAGAATTCGAATA CAGGAAGAAGNNNACGTATGCCA	1933
TGCAGGACCAGAGAATTCGAATA CATACTAACANNNACGTATGCCA	1454	TGCAGGACCAGAGAATTCGAATA CACCAGTTAGNNNACGTATGCCA	1694	TGCAGGACCAGAGAATTCGAATA CAGTTATACANNNACGTATGCCA	1934
TGCAGGACCAGAGAATTCGAATA CAGTCCAATGNNNACGTATGCCA	1455	TGCAGGACCAGAGAATTCGAATA CAAGAACAATNNNACGTATGCCA	1695	TGCAGGACCAGAGAATTCGAATA CACCTCCTAANNNACGTATGCCA	1935
TGCAGGACCAGAGAATTCGAATA CAAGGCACGGNNNACGTATGCCA	1456	TGCAGGACCAGAGAATTCGAATA CATCCGAAGTNNNACGTATGCCA	1696	TGCAGGACCAGAGAATTCGAATA CATAAACATCINNACGTATGCCA	1936
TGCAGGACCAGAGAATTCGAATA CAATCATGTANNNACGTATGCCA	1457	TGCAGGACCAGAGAATTCGAATA CATCGGCTCCNNNACGTATGCCA	1697	TGCAGGACCAGAGAATTCGAATA CACGGCGGTTNNNACGTATGCCA	1937
TGCAGGACCAGAGAATTCGAATA CAAAAAGGTTNNNACGTATGCCA	1458	TGCAGGACCAGAGAATTCGAATA CACAGTCCCCNNNACGTATGCCA	1698	TGCAGGACCAGAGAATTCGAATA CATTAACAACNNNACGTATGCCA	1938
TGCAGGACCAGAGAATTCGAATA CAAGGCACCCNNNACGTATGCCA	1459	TGCAGGACCAGAGAATTCGAATA CAGTCAACTGNNNACGTATGCCA	1699	TGCAGGACCAGAGAATTCGAATA CATGGCCATANNNACGTATGCCA	1939
TGCAGGACCAGAGAATTCGAATA CATTGAAGANNNACGTATGCCA	1460	TGCAGGACCAGAGAATTCGAATA CAGGCGGCTTNNNACGTATGCCA	1700	TGCAGGACCAGAGAATTCGAATA CAGAGTGATGNNNACGTATGCCA	1940
TGCAGGACCAGAGAATTCGAATA CACTCGACTNNNACGTATGCCA	1461	TGCAGGACCAGAGAATTCGAATA CAATCGCGTANNNACGTATGCCA	1701	TGCAGGACCAGAGAATTCGAATA CACTAATCGNNNACGTATGCCA	1941
TGCAGGACCAGAGAATTCGAATA CAGCGAATTCNNNACGTATGCCA	1462	TGCAGGACCAGAGAATTCGAATA CAGCTCCGGANNNACGTATGCCA	1702	TGCAGGACCAGAGAATTCGAATA CAAGGTTAAANNNACGTATGCCA	1942
TGCAGGACCAGAGAATTCGAATA CACCCCGCGNNNACGTATGCCA	1463	TGCAGGACCAGAGAATTCGAATA CATGCTGGCGNNNACGTATGCCA	1703	TGCAGGACCAGAGAATTCGAATA CAACAGTACCINNACGTATGCCA	1943
TGCAGGACCAGAGAATTCGAATA CAGATAAGCGNNNACGTATGCCA	1464	TGCAGGACCAGAGAATTCGAATA CACTAACGTGNNNACGTATGCCA	1704	TGCAGGACCAGAGAATTCGAATA CAATGTGATTNNNACGTATGCCA	1944
TGCAGGACCAGAGAATTCGAATA CAGAACGATGNNNACGTATGCCA	1465	TGCAGGACCAGAGAATTCGAATA CAGAATACAANNNACGTATGCCA	1705	TGCAGGACCAGAGAATTCGAATA CAGCTGCCGANNNACGTATGCCA	1945
TGCAGGACCAGAGAATTCGAATA CAAATATTATNNNACGTATGCCA	1466	TGCAGGACCAGAGAATTCGAATA CAATGACAAANNNACGTATGCCA	1706	TGCAGGACCAGAGAATTCGAATA CACTTTTTAGNNNACGTATGCCA	1946
TGCAGGACCAGAGAATTCGAATA CATAAGCTATNNNACGTATGCCA	1467	TGCAGGACCAGAGAATTCGAATA CAACGGCTCGNNNACGTATGCCA	1707	TGCAGGACCAGAGAATTCGAATA CATCCCAAAGNNNACGTATGCCA	1947
TGCAGGACCAGAGAATTCGAATA CAACTCGCCGNNNACGTATGCCA	1468	TGCAGGACCAGAGAATTCGAATA CAACAGATAANNNACGTATGCCA	1708	TGCAGGACCAGAGAATTCGAATA CAGACACTACINNACGTATGCCA	1948
TGCAGGACCAGAGAATTCGAATA CAGGACTCGGNNNACGTATGCCA	1469	TGCAGGACCAGAGAATTCGAATA CATGTAGCCANNNACGTATGCCA	1709	TGCAGGACCAGAGAATTCGAATA CAATACCGACNNNACGTATGCCA	1949
TGCAGGACCAGAGAATTCGAATA CATCCGACTTNNNACGTATGCCA	1470	TGCAGGACCAGAGAATTCGAATA CACTCTCTGANNNACGTATGCCA	1710	TGCAGGACCAGAGAATTCGAATA CAGTTGAAAANNNACGTATGCCA	1950
TGCAGGACCAGAGAATTCGAATA CAGGAGGAGGNNNACGTATGCCA	1471	TGCAGGACCAGAGAATTCGAATA CATTACCTTANNNACGTATGCCA	1711	TGCAGGACCAGAGAATTCGAATA CAATTTCTTANNNACGTATGCCA	1951
TGCAGGACCAGAGAATTCGAATA CACAGGCAGNNNACGTATGCCA	1472	TGCAGGACCAGAGAATTCGAATA CATCAATTCTNNNACGTATGCCA	1712	TGCAGGACCAGAGAATTCGAATA CAACGTTTCAGNNNACGTATGCCA	1952
TGCAGGACCAGAGAATTCGAATA CAATCTCATTNNNACGTATGCCA	1473	TGCAGGACCAGAGAATTCGAATA CAAGGTTCTGNNNACGTATGCCA	1713	TGCAGGACCAGAGAATTCGAATA CAAATACGAANNNACGTATGCCA	1953
TGCAGGACCAGAGAATTCGAATA CAAGGCGATANNNACGTATGCCA	1474	TGCAGGACCAGAGAATTCGAATA CAATTTTAAANNNACGTATGCCA	1714	TGCAGGACCAGAGAATTCGAATA CACCAACTGANNNACGTATGCCA	1954
TGCAGGACCAGAGAATTCGAATA CACCTAGATTGNNNACGTATGCCA	1475	TGCAGGACCAGAGAATTCGAATA CATTGACAGNNNACGTATGCCA	1715	TGCAGGACCAGAGAATTCGAATA CAATCCGCTTNNNACGTATGCCA	1955
TGCAGGACCAGAGAATTCGAATA CACCTACCATNNNACGTATGCCA	1476	TGCAGGACCAGAGAATTCGAATA CACCCCACTGNNNACGTATGCCA	1716	TGCAGGACCAGAGAATTCGAATA CACGTCCGCTNNNACGTATGCCA	1956

FIG. 14B

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA	1477	TGCAGGACCAGAGAATTCGAATA	1717	TGCAGGACCAGAGAATTCGAATA	1957
CAAACGTCCANNACGTATGCCA		CACCTCCCTGANNACGTATGCCA		CATATACACANNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1478	TGCAGGACCAGAGAATTCGAATA	1718	TGCAGGACCAGAGAATTCGAATA	1958
CAGCACTTAGNNACGTATGCCA		CAAGAACTCCNNACGTATGCCA		CACCTCTATATNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1479	TGCAGGACCAGAGAATTCGAATA	1719	TGCAGGACCAGAGAATTCGAATA	1959
CAGATCGGAANNACGTATGCCA		CACCTGTAAGCANNACGTATGCCA		CACCTCACAGANNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1480	TGCAGGACCAGAGAATTCGAATA	1720	TGCAGGACCAGAGAATTCGAATA	1960
CACGCCATAANNACGTATGCCA		CAAGTCGATCANNACGTATGCCA		CAGCCGGTGTNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1481	TGCAGGACCAGAGAATTCGAATA	1721	TGCAGGACCAGAGAATTCGAATA	1961
CATTAAGTTGNNACGTATGCCA		CAGTAATAGANNACGTATGCCA		CATACGTCAGNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1482	TGCAGGACCAGAGAATTCGAATA	1722	TGCAGGACCAGAGAATTCGAATA	1962
CAGCCAGCTGNNACGTATGCCA		CACGGAGCTCANNACGTATGCCA		CATCTGCTCANNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1483	TGCAGGACCAGAGAATTCGAATA	1723	TGCAGGACCAGAGAATTCGAATA	1963
CAAAACGCCNNACGTATGCCA		CATTGTCTTANNACGTATGCCA		CAACGTATATNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1484	TGCAGGACCAGAGAATTCGAATA	1724	TGCAGGACCAGAGAATTCGAATA	1964
CAGTATTTCTNNACGTATGCCA		CATTTTCGTANNACGTATGCCA		CACGAGCCACNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1485	TGCAGGACCAGAGAATTCGAATA	1725	TGCAGGACCAGAGAATTCGAATA	1965
CAGGTCTCCCNACGTATGCCA		CAAACGGAACNNACGTATGCCA		CATCGCTCTANNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1486	TGCAGGACCAGAGAATTCGAATA	1726	TGCAGGACCAGAGAATTCGAATA	1966
CACAAGTCTGNNACGTATGCCA		CAACCACGGCANNACGTATGCCA		CACGGAAGATNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1487	TGCAGGACCAGAGAATTCGAATA	1727	TGCAGGACCAGAGAATTCGAATA	1967
CAGAGCACANNACGTATGCCA		CAGAGTATTTNNACGTATGCCA		CATTAGCGGTNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1488	TGCAGGACCAGAGAATTCGAATA	1728	TGCAGGACCAGAGAATTCGAATA	1968
CATCAAACCGNNACGTATGCCA		CACCCGCTTANNACGTATGCCA		CATGAGCTCANNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1489	TGCAGGACCAGAGAATTCGAATA	1729	TGCAGGACCAGAGAATTCGAATA	1969
CATTCCGCTANNACGTATGCCA		CAAGTATGCCNNACGTATGCCA		CATACACGTGNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1490	TGCAGGACCAGAGAATTCGAATA	1730	TGCAGGACCAGAGAATTCGAATA	1970
CAATTGCACGNNACGTATGCCA		CATAGCAGCTNNACGTATGCCA		CATAGTGTATNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1491	TGCAGGACCAGAGAATTCGAATA	1731	TGCAGGACCAGAGAATTCGAATA	1971
CAATACCTAANNACGTATGCCA		CACGCGTGACNNACGTATGCCA		CACATTAGGCNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1492	TGCAGGACCAGAGAATTCGAATA	1732	TGCAGGACCAGAGAATTCGAATA	1972
CAGGACCGGANNACGTATGCCA		CAAAATACGANNACGTATGCCA		CAACACCCANNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1493	TGCAGGACCAGAGAATTCGAATA	1733	TGCAGGACCAGAGAATTCGAATA	1973
CATGTCCGCGNNACGTATGCCA		CACCTAGATATNNACGTATGCCA		CAGTGCGTCGNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1494	TGCAGGACCAGAGAATTCGAATA	1734	TGCAGGACCAGAGAATTCGAATA	1974
CAGCCCCAGANNACGTATGCCA		CAATGTTGGCANNACGTATGCCA		CATATGTTTCNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1495	TGCAGGACCAGAGAATTCGAATA	1735	TGCAGGACCAGAGAATTCGAATA	1975
CACAAGCCCGNNACGTATGCCA		CACCTACGCAANNACGTATGCCA		CAGTGGTTCGNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1496	TGCAGGACCAGAGAATTCGAATA	1736	TGCAGGACCAGAGAATTCGAATA	1976
CAGCCATTGANNACGTATGCCA		CATTTCTGTANNACGTATGCCA		CACCTGGACCGNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1497	TGCAGGACCAGAGAATTCGAATA	1737	TGCAGGACCAGAGAATTCGAATA	1977
CATGAACACCGNNACGTATGCCA		CACCTCCCTCANNACGTATGCCA		CAGGCGTGTNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1498	TGCAGGACCAGAGAATTCGAATA	1738	TGCAGGACCAGAGAATTCGAATA	1978
CAGAATCCGTTNNACGTATGCCA		CAGACTTGACNNACGTATGCCA		CAAGTCTAATNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1499	TGCAGGACCAGAGAATTCGAATA	1739	TGCAGGACCAGAGAATTCGAATA	1979
CATTAATCGANNACGTATGCCA		CAGTCATCGANNACGTATGCCA		CACCTCATGCTNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1500	TGCAGGACCAGAGAATTCGAATA	1740	TGCAGGACCAGAGAATTCGAATA	1980
CACGCCACTCANNACGTATGCCA		CAATCTAGTANNACGTATGCCA		CAAGTTCTCCNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1501	TGCAGGACCAGAGAATTCGAATA	1741	TGCAGGACCAGAGAATTCGAATA	1981
CACCCCTTAGTNNACGTATGCCA		CACGAAGATGNNACGTATGCCA		CAGTGAAGGTNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1502	TGCAGGACCAGAGAATTCGAATA	1742	TGCAGGACCAGAGAATTCGAATA	1982
CATTTCTGNNACGTATGCCA		CAATTTGCAANNACGTATGCCA		CAGTTTTAAGNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1503	TGCAGGACCAGAGAATTCGAATA	1743	TGCAGGACCAGAGAATTCGAATA	1983
CATTCAACGNNACGTATGCCA		CAGACCGCTNNACGTATGCCA		CAAAAGCAATNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1504	TGCAGGACCAGAGAATTCGAATA	1744	TGCAGGACCAGAGAATTCGAATA	1984
CATTGAGGAGNNACGTATGCCA		CACCTGTGCANNACGTATGCCA		CATGAAGCGANNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATA	1505	TGCAGGACCAGAGAATTCGAATA	1745	TGCAGGACCAGAGAATTCGAATA	1985
CATTACGCTNNACGTATGCCA		CACCTCGTAAGNNACGTATGCCA		CAGTAGTCTNNACGTATGCCA	

FIG. 14C

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CATCGCGGTGNNNACGTATGCCA	1506	TGCAGGACCAGAGAATTCGAATA CAGCCTTACTNNNACGTATGCCA	1746	TGCAGGACCAGAGAATTCGAATA CAACTATGTANNNACGTATGCCA	1986
TGCAGGACCAGAGAATTCGAATA CAAATTCGCGNNNACGTATGCCA	1507	TGCAGGACCAGAGAATTCGAATA CAGCATGTGTNNNACGTATGCCA	1747	TGCAGGACCAGAGAATTCGAATA CAGAAGTTCNNNACGTATGCCA	1987
TGCAGGACCAGAGAATTCGAATA CACGTATGANNNACGTATGCCA	1508	TGCAGGACCAGAGAATTCGAATA CACTACTGTGNNNACGTATGCCA	1748	TGCAGGACCAGAGAATTCGAATA CACGGTGTGNNNACGTATGCCA	1988
TGCAGGACCAGAGAATTCGAATA CACGTTTATTNNNCTAGCGTTAC	1509	TGCAGGACCAGAGAATTCGAATA CAATCTAACANNNCTAGCGTTAC	1749	TGCAGGACCAGAGAATTCGAATA CATGCAATTTNNNCTAGCGTTAC	1989
TGCAGGACCAGAGAATTCGAATA CACTGACGCGNNNCTAGCGTTAC	1510	TGCAGGACCAGAGAATTCGAATA CAACGATTGCGNNNCTAGCGTTAC	1750	TGCAGGACCAGAGAATTCGAATA CAACTTGTGNNNCTAGCGTTAC	1990
TGCAGGACCAGAGAATTCGAATA CAACCTTGTGNNNCTAGCGTTAC	1511	TGCAGGACCAGAGAATTCGAATA CAAAACCTTANNNCTAGCGTTAC	1751	TGCAGGACCAGAGAATTCGAATA CATCGCTGCCNNNCTAGCGTTAC	1991
TGCAGGACCAGAGAATTCGAATA CATCCACCGGNNNCTAGCGTTAC	1512	TGCAGGACCAGAGAATTCGAATA CACGTAAAAANNNCTAGCGTTAC	1752	TGCAGGACCAGAGAATTCGAATA CATCCCTTCTNNNCTAGCGTTAC	1992
TGCAGGACCAGAGAATTCGAATA CAAAGCGCGGNNNCTAGCGTTAC	1513	TGCAGGACCAGAGAATTCGAATA CATCTGAGACNNNCTAGCGTTAC	1753	TGCAGGACCAGAGAATTCGAATA CACGGTACTANNNCTAGCGTTAC	1993
TGCAGGACCAGAGAATTCGAATA CAGGCAATAGNNNCTAGCGTTAC	1514	TGCAGGACCAGAGAATTCGAATA CATGGCGATTNNNCTAGCGTTAC	1754	TGCAGGACCAGAGAATTCGAATA CAAGATATCTNNNCTAGCGTTAC	1994
TGCAGGACCAGAGAATTCGAATA CACGCTAGCGNNNCTAGCGTTAC	1515	TGCAGGACCAGAGAATTCGAATA CACATCTTGCGNNNCTAGCGTTAC	1755	TGCAGGACCAGAGAATTCGAATA CACTCAAGTGNNNCTAGCGTTAC	1995
TGCAGGACCAGAGAATTCGAATA CATTAATATANNNCTAGCGTTAC	1516	TGCAGGACCAGAGAATTCGAATA CATCTTTGCGNNNCTAGCGTTAC	1756	TGCAGGACCAGAGAATTCGAATA CAACCTCTANNNCTAGCGTTAC	1996
TGCAGGACCAGAGAATTCGAATA CAATATGGTTNNNCTAGCGTTAC	1517	TGCAGGACCAGAGAATTCGAATA CAGCGAACAANNNCTAGCGTTAC	1757	TGCAGGACCAGAGAATTCGAATA CAAGCAATTTNNNCTAGCGTTAC	1997
TGCAGGACCAGAGAATTCGAATA CAATATGGTTNNNCTAGCGTTAC	1518	TGCAGGACCAGAGAATTCGAATA CAGAGTAGACNNNCTAGCGTTAC	1758	TGCAGGACCAGAGAATTCGAATA CAGCCCCGAANNNCTAGCGTTAC	1998
TGCAGGACCAGAGAATTCGAATA CAGCTGGTTANNNCTAGCGTTAC	1519	TGCAGGACCAGAGAATTCGAATA CACTCATGGANNNCTAGCGTTAC	1759	TGCAGGACCAGAGAATTCGAATA CACCAAATCGNNNCTAGCGTTAC	1999
TGCAGGACCAGAGAATTCGAATA CAAGACTGAGNNNCTAGCGTTAC	1520	TGCAGGACCAGAGAATTCGAATA CATTCCCGCGNNNCTAGCGTTAC	1760	TGCAGGACCAGAGAATTCGAATA CAGATCGGTTNNNCTAGCGTTAC	2000
TGCAGGACCAGAGAATTCGAATA CAGACTTGCAANNNCTAGCGTTAC	1521	TGCAGGACCAGAGAATTCGAATA CATGGCCTAANNNCTAGCGTTAC	1761	TGCAGGACCAGAGAATTCGAATA CAACCCCTGCGNNNCTAGCGTTAC	2001
TGCAGGACCAGAGAATTCGAATA CAGTCTATCCNNNCTAGCGTTAC	1522	TGCAGGACCAGAGAATTCGAATA CAAGCGCAAANNNCTAGCGTTAC	1762	TGCAGGACCAGAGAATTCGAATA CAACCCACTTNNNCTAGCGTTAC	2002
TGCAGGACCAGAGAATTCGAATA CAAGCTATCGNNNCTAGCGTTAC	1523	TGCAGGACCAGAGAATTCGAATA CAATAGAAACNNNCTAGCGTTAC	1763	TGCAGGACCAGAGAATTCGAATA CAAGACCTTGNNNCTAGCGTTAC	2003
TGCAGGACCAGAGAATTCGAATA CAGGCGAACGNNNCTAGCGTTAC	1524	TGCAGGACCAGAGAATTCGAATA CATCGGCTGCGNNNCTAGCGTTAC	1764	TGCAGGACCAGAGAATTCGAATA CACCTTGATCANNNCTAGCGTTAC	2004
TGCAGGACCAGAGAATTCGAATA CAACGAATGCGNNNCTAGCGTTAC	1525	TGCAGGACCAGAGAATTCGAATA CAGTGCTGCGNNNCTAGCGTTAC	1765	TGCAGGACCAGAGAATTCGAATA CAAAGTATTCNNNCTAGCGTTAC	2005
TGCAGGACCAGAGAATTCGAATA CATCATGCTCANNNCTAGCGTTAC	1526	TGCAGGACCAGAGAATTCGAATA CAAATGCCACNNNCTAGCGTTAC	1766	TGCAGGACCAGAGAATTCGAATA CACATCCAAGNNNCTAGCGTTAC	2006
TGCAGGACCAGAGAATTCGAATA CATTGCTTATNNNCTAGCGTTAC	1527	TGCAGGACCAGAGAATTCGAATA CAATCACGTGNNNCTAGCGTTAC	1767	TGCAGGACCAGAGAATTCGAATA CACACAAGTCNNNCTAGCGTTAC	2007
TGCAGGACCAGAGAATTCGAATA CAAAGCCAGANNNCTAGCGTTAC	1528	TGCAGGACCAGAGAATTCGAATA CATCAGCAGANNNCTAGCGTTAC	1768	TGCAGGACCAGAGAATTCGAATA CATAAAAATGCGNNNCTAGCGTTAC	2008
TGCAGGACCAGAGAATTCGAATA CAGCAGCTCGNNNCTAGCGTTAC	1529	TGCAGGACCAGAGAATTCGAATA CATGTTACGCGNNNCTAGCGTTAC	1769	TGCAGGACCAGAGAATTCGAATA CAATCTACAANNNCTAGCGTTAC	2009
TGCAGGACCAGAGAATTCGAATA CACCGAGTCGNNNCTAGCGTTAC	1530	TGCAGGACCAGAGAATTCGAATA CATTACCGCTNNNCTAGCGTTAC	1770	TGCAGGACCAGAGAATTCGAATA CAGCGAGAATNNNCTAGCGTTAC	2010
TGCAGGACCAGAGAATTCGAATA CAAACAGACGNNNCTAGCGTTAC	1531	TGCAGGACCAGAGAATTCGAATA CACCCCTTTAGNNNCTAGCGTTAC	1771	TGCAGGACCAGAGAATTCGAATA CAGTAGCCATNNNCTAGCGTTAC	2011
TGCAGGACCAGAGAATTCGAATA CACCCAAACANNNCTAGCGTTAC	1532	TGCAGGACCAGAGAATTCGAATA CAGTCTTGAGNNNCTAGCGTTAC	1772	TGCAGGACCAGAGAATTCGAATA CAAAGGCAGTNNNCTAGCGTTAC	2012
TGCAGGACCAGAGAATTCGAATA CAAAGCGCATNNNCTAGCGTTAC	1533	TGCAGGACCAGAGAATTCGAATA CACTTTGACCGNNNCTAGCGTTAC	1773	TGCAGGACCAGAGAATTCGAATA CAGTAGACTCANNNCTAGCGTTAC	2013
TGCAGGACCAGAGAATTCGAATA CACCTTAAAAANNNCTAGCGTTAC	1534	TGCAGGACCAGAGAATTCGAATA CACTTCTCAGNNNCTAGCGTTAC	1774	TGCAGGACCAGAGAATTCGAATA CAGGTATGCTNNNCTAGCGTTAC	2014

FIG. 14D

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CACATACCTCANNCTAGCGTTAC	1535	TGCAGGACCAGAGAATTCGAATA CATGTTGCCAGNNCTAGCGTTAC	1775	TGCAGGACCAGAGAATTCGAATA CAGGTTTTAANNCTAGCGTTAC	2015
TGCAGGACCAGAGAATTCGAATA CAGCCAATCANNCTAGCGTTAC	1536	TGCAGGACCAGAGAATTCGAATA CAAACCCAAACNNCTAGCGTTAC	1776	TGCAGGACCAGAGAATTCGAATA CAACAGAAGCANNCTAGCGTTAC	2016
TGCAGGACCAGAGAATTCGAATA CACTTAGGCANNCTAGCGTTAC	1537	TGCAGGACCAGAGAATTCGAATA CATAAGCACCNNCTAGCGTTAC	1777	TGCAGGACCAGAGAATTCGAATA CACAGCACGCNNCTAGCGTTAC	2017
TGCAGGACCAGAGAATTCGAATA CACGCACCAGNNCTAGCGTTAC	1538	TGCAGGACCAGAGAATTCGAATA CAGATGTAAANNCTAGCGTTAC	1778	TGCAGGACCAGAGAATTCGAATA CAACCGTAACNNCTAGCGTTAC	2018
TGCAGGACCAGAGAATTCGAATA CATTCCCGTANNCTAGCGTTAC	1539	TGCAGGACCAGAGAATTCGAATA CAGTTATGCGNNCTAGCGTTAC	1779	TGCAGGACCAGAGAATTCGAATA CAGGAAGCGCANNCTAGCGTTAC	2019
TGCAGGACCAGAGAATTCGAATA CATTGAGAATNNCTAGCGTTAC	1540	TGCAGGACCAGAGAATTCGAATA CAGCGCGGAANNCTAGCGTTAC	1780	TGCAGGACCAGAGAATTCGAATA CAGAGGATCANNCTAGCGTTAC	2020
TGCAGGACCAGAGAATTCGAATA CAGGCATTACNNCTAGCGTTAC	1541	TGCAGGACCAGAGAATTCGAATA CAAGATTGTGNNCTAGCGTTAC	1781	TGCAGGACCAGAGAATTCGAATA CACGGTTCCGNNCTAGCGTTAC	2021
TGCAGGACCAGAGAATTCGAATA CAAACCAAAANNCTAGCGTTAC	1542	TGCAGGACCAGAGAATTCGAATA CACACAGCTANNCTAGCGTTAC	1782	TGCAGGACCAGAGAATTCGAATA CAATCCACAGNNCTAGCGTTAC	2022
TGCAGGACCAGAGAATTCGAATA CAACGCTGTANNCTAGCGTTAC	1543	TGCAGGACCAGAGAATTCGAATA CAACGGCAGNNCTAGCGTTAC	1783	TGCAGGACCAGAGAATTCGAATA CAGAGACCCANNCTAGCGTTAC	2023
TGCAGGACCAGAGAATTCGAATA CAACGATCTGNNCTAGCGTTAC	1544	TGCAGGACCAGAGAATTCGAATA CATACGGAAGNNCTAGCGTTAC	1784	TGCAGGACCAGAGAATTCGAATA CACTCCGGAGNNCTAGCGTTAC	2024
TGCAGGACCAGAGAATTCGAATA CAGCATGAGANNCTAGCGTTAC	1545	TGCAGGACCAGAGAATTCGAATA CACTCGATGANNCTAGCGTTAC	1785	TGCAGGACCAGAGAATTCGAATA CATCGCCTCGNNCTAGCGTTAC	2025
TGCAGGACCAGAGAATTCGAATA CAGTAAGTCCNNCTAGCGTTAC	1546	TGCAGGACCAGAGAATTCGAATA CATCCCCCTNNCTAGCGTTAC	1786	TGCAGGACCAGAGAATTCGAATA CATCATTCCGNNCTAGCGTTAC	2026
TGCAGGACCAGAGAATTCGAATA CAAAGCGAGTNNCTAGCGTTAC	1547	TGCAGGACCAGAGAATTCGAATA CACCATCTACNNCTAGCGTTAC	1787	TGCAGGACCAGAGAATTCGAATA CAGAACTACCNNCTAGCGTTAC	2027
TGCAGGACCAGAGAATTCGAATA CAAGATCTGCNNCTAGCGTTAC	1548	TGCAGGACCAGAGAATTCGAATA CAAAGCAGGTNNCTAGCGTTAC	1788	TGCAGGACCAGAGAATTCGAATA CATAATTTTNNCTAGCGTTAC	2028
TGCAGGACCAGAGAATTCGAATA CACCCTGCACNNCTAGCGTTAC	1549	TGCAGGACCAGAGAATTCGAATA CAAAGTCAAANNCTAGCGTTAC	1789	TGCAGGACCAGAGAATTCGAATA CAGATTGTGNNCTAGCGTTAC	2029
TGCAGGACCAGAGAATTCGAATA CATCCTCGCANNCTAGCGTTAC	1550	TGCAGGACCAGAGAATTCGAATA CAATTGCGCANNCTAGCGTTAC	1790	TGCAGGACCAGAGAATTCGAATA CATGGCGCACNNCTAGCGTTAC	2030
TGCAGGACCAGAGAATTCGAATA CACATGTGANNCTAGCGTTAC	1551	TGCAGGACCAGAGAATTCGAATA CAACCAGCCGNNCTAGCGTTAC	1791	TGCAGGACCAGAGAATTCGAATA CAAAATCAGANNCTAGCGTTAC	2031
TGCAGGACCAGAGAATTCGAATA CAAACGGTTCNNCTAGCGTTAC	1552	TGCAGGACCAGAGAATTCGAATA CATAGTCGGTNNCTAGCGTTAC	1792	TGCAGGACCAGAGAATTCGAATA CAAGGCTATCANNCTAGCGTTAC	2032
TGCAGGACCAGAGAATTCGAATA CACCCCAATTNNCTAGCGTTAC	1553	TGCAGGACCAGAGAATTCGAATA CATGCGCATANNCTAGCGTTAC	1793	TGCAGGACCAGAGAATTCGAATA CATCTTGTGNNCTAGCGTTAC	2033
TGCAGGACCAGAGAATTCGAATA CAACCGTTCTNNCTAGCGTTAC	1554	TGCAGGACCAGAGAATTCGAATA CATAGAACCANNCTAGCGTTAC	1794	TGCAGGACCAGAGAATTCGAATA CACCATTCCANNCTAGCGTTAC	2034
TGCAGGACCAGAGAATTCGAATA CAACTCTAAANNCTAGCGTTAC	1555	TGCAGGACCAGAGAATTCGAATA CAGGTTTGTGNNCTAGCGTTAC	1795	TGCAGGACCAGAGAATTCGAATA CATAGATTACNNCTAGCGTTAC	2035
TGCAGGACCAGAGAATTCGAATA CAATGAGCTCANNCTAGCGTTAC	1556	TGCAGGACCAGAGAATTCGAATA CAAAGTTTGTNNCTAGCGTTAC	1796	TGCAGGACCAGAGAATTCGAATA CAGTTTGTCTNNCTAGCGTTAC	2036
TGCAGGACCAGAGAATTCGAATA CATCTAAGCCANNCTAGCGTTAC	1557	TGCAGGACCAGAGAATTCGAATA CATTAGCGACNNCTAGCGTTAC	1797	TGCAGGACCAGAGAATTCGAATA CATCTTCCGTTNNCTAGCGTTAC	2037
TGCAGGACCAGAGAATTCGAATA CACAATAGCCNNCTAGCGTTAC	1558	TGCAGGACCAGAGAATTCGAATA CAGATATATCANNCTAGCGTTAC	1798	TGCAGGACCAGAGAATTCGAATA CAAGTAGTCCNNCTAGCGTTAC	2038
TGCAGGACCAGAGAATTCGAATA CATCTTGGCTNNCTAGCGTTAC	1559	TGCAGGACCAGAGAATTCGAATA CAAACCTGTGNNCTAGCGTTAC	1799	TGCAGGACCAGAGAATTCGAATA CACGGTGTATNNCTAGCGTTAC	2039
TGCAGGACCAGAGAATTCGAATA CACAAGAGCANNCTAGCGTTAC	1560	TGCAGGACCAGAGAATTCGAATA CACGAATGGANNCTAGCGTTAC	1800	TGCAGGACCAGAGAATTCGAATA CACTGTTTGCNNCTAGCGTTAC	2040
TGCAGGACCAGAGAATTCGAATA CAGCTTGGATNNCTAGCGTTAC	1561	TGCAGGACCAGAGAATTCGAATA CACTTCGTTGNNCTAGCGTTAC	1801	TGCAGGACCAGAGAATTCGAATA CAAACGTTGNNCTAGCGTTAC	2041
TGCAGGACCAGAGAATTCGAATA CACTAAATACNNCTAGCGTTAC	1562	TGCAGGACCAGAGAATTCGAATA CATCGTGGTANNCTAGCGTTAC	1802	TGCAGGACCAGAGAATTCGAATA CAATAAATGNNCTAGCGTTAC	2042
TGCAGGACCAGAGAATTCGAATA CACCTAAAAANNCTAGCGTTAC	1563	TGCAGGACCAGAGAATTCGAATA CAGCAAAATANNCTAGCGTTAC	1803	TGCAGGACCAGAGAATTCGAATA CAACGCGTGCNNCTAGCGTTAC	2043

FIG. 14E

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CAGAACCTCANNNCTAGCGTTAC	1564	TGCAGGACCAGAGAATTCGAATA CAAGACTAAANNNCTAGCGTTAC	1804	TGCAGGACCAGAGAATTCGAATA CACGTTGGTANNNCTAGCGTTAC	2044
TGCAGGACCAGAGAATTCGAATA CAGAGGCCTCANNNCTAGCGTTAC	1565	TGCAGGACCAGAGAATTCGAATA CATGCGAGTTNNNCTAGCGTTAC	1805	TGCAGGACCAGAGAATTCGAATA CAAGGCGTAANNNCTAGCGTTAC	2045
TGCAGGACCAGAGAATTCGAATA CAAGGTGATGNNNCTAGCGTTAC	1566	TGCAGGACCAGAGAATTCGAATA CAGTTCTGAGNNNCTAGCGTTAC	1806	TGCAGGACCAGAGAATTCGAATA CATGCCTATCANNNCTAGCGTTAC	2046
TGCAGGACCAGAGAATTCGAATA CAACGCGTTANNNCTAGCGTTAC	1567	TGCAGGACCAGAGAATTCGAATA CATCGGCGTGNNNCTAGCGTTAC	1807	TGCAGGACCAGAGAATTCGAATA CAAAGCTCCANNNCTAGCGTTAC	2047
TGCAGGACCAGAGAATTCGAATA CAGGTGGCTCANNNCTAGCGTTAC	1568	TGCAGGACCAGAGAATTCGAATA CAGATCCGGCANNNCTAGCGTTAC	1808	TGCAGGACCAGAGAATTCGAATA CAAGGACGATNNNCTAGCGTTAC	2048
TGCAGGACCAGAGAATTCGAATA CAGAGATCAGNNNGATCGACATG	1569	TGCAGGACCAGAGAATTCGAATA CAGTGTATGNNNGATCGACATG	1809	TGCAGGACCAGAGAATTCGAATA CACTTGAAGCANNNGATCGACATG	2049
TGCAGGACCAGAGAATTCGAATA CATACGTGTGNNNGATCGACATG	1570	TGCAGGACCAGAGAATTCGAATA CAAGTATTTGNNNGATCGACATG	1810	TGCAGGACCAGAGAATTCGAATA CATGCCCTCGNNNGATCGACATG	2050
TGCAGGACCAGAGAATTCGAATA CAAGTTATCANNNGATCGACATG	1571	TGCAGGACCAGAGAATTCGAATA CAAGTAAACNNNGATCGACATG	1811	TGCAGGACCAGAGAATTCGAATA CAAGCGAAACNNNGATCGACATG	2051
TGCAGGACCAGAGAATTCGAATA CACAGTGTATCANNNGATCGACATG	1572	TGCAGGACCAGAGAATTCGAATA CAAGCCACGNNNGATCGACATG	1812	TGCAGGACCAGAGAATTCGAATA CATAGAGTGGNNNGATCGACATG	2052
TGCAGGACCAGAGAATTCGAATA CATACGCGGCGNNNGATCGACATG	1573	TGCAGGACCAGAGAATTCGAATA CAAAGTGTCCNNNGATCGACATG	1813	TGCAGGACCAGAGAATTCGAATA CAAGCAGCAANNNGATCGACATG	2053
TGCAGGACCAGAGAATTCGAATA CAGTGTGTACNNNGATCGACATG	1574	TGCAGGACCAGAGAATTCGAATA CACTATTTGTNNNGATCGACATG	1814	TGCAGGACCAGAGAATTCGAATA CACCTATTATNNNGATCGACATG	2054
TGCAGGACCAGAGAATTCGAATA CAGTGTGTACNNNGATCGACATG	1575	TGCAGGACCAGAGAATTCGAATA CAGTGTATCGNNNGATCGACATG	1815	TGCAGGACCAGAGAATTCGAATA CAGCGACGAGNNNGATCGACATG	2055
TGCAGGACCAGAGAATTCGAATA CAGCTCTACTNNNGATCGACATG	1576	TGCAGGACCAGAGAATTCGAATA CAATAGTATCANNNGATCGACATG	1816	TGCAGGACCAGAGAATTCGAATA CAACGATTTANNNGATCGACATG	2056
TGCAGGACCAGAGAATTCGAATA CATTGTGCTCANNNGATCGACATG	1577	TGCAGGACCAGAGAATTCGAATA CACCCTGTGAGNNNGATCGACATG	1817	TGCAGGACCAGAGAATTCGAATA CAAATTTGTTGNNNGATCGACATG	2057
TGCAGGACCAGAGAATTCGAATA CATATAAGCTNNNGATCGACATG	1578	TGCAGGACCAGAGAATTCGAATA CATTATTTTANNNGATCGACATG	1818	TGCAGGACCAGAGAATTCGAATA CACATTAAGTNNNGATCGACATG	2058
TGCAGGACCAGAGAATTCGAATA CAAGAACGACNNNGATCGACATG	1579	TGCAGGACCAGAGAATTCGAATA CAACAAGACGNNNGATCGACATG	1819	TGCAGGACCAGAGAATTCGAATA CAGACGGAGCANNNGATCGACATG	2059
TGCAGGACCAGAGAATTCGAATA CATACGATATNNNGATCGACATG	1580	TGCAGGACCAGAGAATTCGAATA CATAAGTATCANNNGATCGACATG	1820	TGCAGGACCAGAGAATTCGAATA CACCAGATAGTNNNGATCGACATG	2060
TGCAGGACCAGAGAATTCGAATA CATAAACCTANNNGATCGACATG	1581	TGCAGGACCAGAGAATTCGAATA CAGGCACACNNNGATCGACATG	1821	TGCAGGACCAGAGAATTCGAATA CAAGTATTGTNNNGATCGACATG	2061
TGCAGGACCAGAGAATTCGAATA CATAACGTTANNNGATCGACATG	1582	TGCAGGACCAGAGAATTCGAATA CAGTACCTCTNNNGATCGACATG	1822	TGCAGGACCAGAGAATTCGAATA CATTTTCGGCTNNNGATCGACATG	2062
TGCAGGACCAGAGAATTCGAATA CAGCAGGTGCGNNNGATCGACATG	1583	TGCAGGACCAGAGAATTCGAATA CACTGTGATGNNNGATCGACATG	1823	TGCAGGACCAGAGAATTCGAATA CAGTAGACAGNNNGATCGACATG	2063
TGCAGGACCAGAGAATTCGAATA CACCCCTCGACNNNGATCGACATG	1584	TGCAGGACCAGAGAATTCGAATA CAACAAGGACNNNGATCGACATG	1824	TGCAGGACCAGAGAATTCGAATA CAACGAAGTGNNNGATCGACATG	2064
TGCAGGACCAGAGAATTCGAATA CATTGTCATCCNNNGATCGACATG	1585	TGCAGGACCAGAGAATTCGAATA CAAGAGGCTANNNGATCGACATG	1825	TGCAGGACCAGAGAATTCGAATA CACGTCTTTGNNNGATCGACATG	2065
TGCAGGACCAGAGAATTCGAATA CATCAACTGGNNNGATCGACATG	1586	TGCAGGACCAGAGAATTCGAATA CAATTGAGTTNNNGATCGACATG	1826	TGCAGGACCAGAGAATTCGAATA CAACACAGGANNNGATCGACATG	2066
TGCAGGACCAGAGAATTCGAATA CAATTGCCCTNNNGATCGACATG	1587	TGCAGGACCAGAGAATTCGAATA CACGTTCTCANNNGATCGACATG	1827	TGCAGGACCAGAGAATTCGAATA CAGGTCACTANNNGATCGACATG	2067
TGCAGGACCAGAGAATTCGAATA CATACATGTANNNGATCGACATG	1588	TGCAGGACCAGAGAATTCGAATA CAGGTAGCTTNNNGATCGACATG	1828	TGCAGGACCAGAGAATTCGAATA CAGAACGAACNNNGATCGACATG	2068
TGCAGGACCAGAGAATTCGAATA CAGACTTGGTNNNGATCGACATG	1589	TGCAGGACCAGAGAATTCGAATA CATCCTTGTGNNNGATCGACATG	1829	TGCAGGACCAGAGAATTCGAATA CACCTAACTCANNNGATCGACATG	2069
TGCAGGACCAGAGAATTCGAATA CAGTCCCATNNNGATCGACATG	1590	TGCAGGACCAGAGAATTCGAATA CAGCCGACACNNNGATCGACATG	1830	TGCAGGACCAGAGAATTCGAATA CAAAGACTTTNNNGATCGACATG	2070
TGCAGGACCAGAGAATTCGAATA CAAGATGGTNNNGATCGACATG	1591	TGCAGGACCAGAGAATTCGAATA CAACTAGAGGNNNGATCGACATG	1831	TGCAGGACCAGAGAATTCGAATA CAGGACATCTNNNGATCGACATG	2071
TGCAGGACCAGAGAATTCGAATA CAGACACAGANNNGATCGACATG	1592	TGCAGGACCAGAGAATTCGAATA CAACAGTCGTNNNGATCGACATG	1832	TGCAGGACCAGAGAATTCGAATA CAGGCGTAAANNNGATCGACATG	2072

FIG. 14F

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CACGCGTTTTNNNGATCGACATG	1593	TGCAGGACCAGAGAATTCGAATA CACGAGGCCGANNNGATCGACATG	1833	TGCAGGACCAGAGAATTCGAATA CAGTACCAGTNNNGATCGACATG	2073
TGCAGGACCAGAGAATTCGAATA CACCCAGAGCANNNGATCGACATG	1594	TGCAGGACCAGAGAATTCGAATA CAACCGAAAGNNNGATCGACATG	1834	TGCAGGACCAGAGAATTCGAATA CAGAATTTACNNNGATCGACATG	2074
TGCAGGACCAGAGAATTCGAATA CACGCGCTGNNNGATCGACATG	1595	TGCAGGACCAGAGAATTCGAATA CAGTTTGAGCANNNGATCGACATG	1835	TGCAGGACCAGAGAATTCGAATA CAACACCCANNNGATCGACATG	2075
TGCAGGACCAGAGAATTCGAATA CACTTTGGCTNNNGATCGACATG	1596	TGCAGGACCAGAGAATTCGAATA CAGTATGCGTNNNGATCGACATG	1836	TGCAGGACCAGAGAATTCGAATA CAAGTTATTGNNNGATCGACATG	2076
TGCAGGACCAGAGAATTCGAATA CAGTTGATCGNNNGATCGACATG	1597	TGCAGGACCAGAGAATTCGAATA CAATGTAACTNNNGATCGACATG	1837	TGCAGGACCAGAGAATTCGAATA CACTTCTTTNNNGATCGACATG	2077
TGCAGGACCAGAGAATTCGAATA CAGTGAAGTNNNGATCGACATG	1598	TGCAGGACCAGAGAATTCGAATA CAAGACGTAGNNNGATCGACATG	1838	TGCAGGACCAGAGAATTCGAATA CAGAGCTCCGNNNGATCGACATG	2078
TGCAGGACCAGAGAATTCGAATA CACACGTTGANNNGATCGACATG	1599	TGCAGGACCAGAGAATTCGAATA CATTGGCGCGNNNGATCGACATG	1839	TGCAGGACCAGAGAATTCGAATA CAGAACCCCGNNNGATCGACATG	2079
TGCAGGACCAGAGAATTCGAATA CACAATCCAGNNNGATCGACATG	1600	TGCAGGACCAGAGAATTCGAATA CAGGACTCATNNNGATCGACATG	1840	TGCAGGACCAGAGAATTCGAATA CAATTGTGATNNNGATCGACATG	2080
TGCAGGACCAGAGAATTCGAATA CAGCGCAGANNNGATCGACATG	1601	TGCAGGACCAGAGAATTCGAATA CAGTCCGGTGNNGATCGACATG	1841	TGCAGGACCAGAGAATTCGAATA CAAGTCTCTTNNNGATCGACATG	2081
TGCAGGACCAGAGAATTCGAATA CACTCTGATCANNNGATCGACATG	1602	TGCAGGACCAGAGAATTCGAATA CAGCAAGCCCNNGATCGACATG	1842	TGCAGGACCAGAGAATTCGAATA CAGCACGGTCNNNGATCGACATG	2082
TGCAGGACCAGAGAATTCGAATA CATATGCCAGNNNGATCGACATG	1603	TGCAGGACCAGAGAATTCGAATA CAAGCATGGANNNGATCGACATG	1843	TGCAGGACCAGAGAATTCGAATA CAGTATCCCTNNNGATCGACATG	2083
TGCAGGACCAGAGAATTCGAATA CAGTTGGTCANNNGATCGACATG	1604	TGCAGGACCAGAGAATTCGAATA CAAGCAGCCCNNGATCGACATG	1844	TGCAGGACCAGAGAATTCGAATA CAGCAAGTGANNNGATCGACATG	2084
TGCAGGACCAGAGAATTCGAATA CACCTCTCGNNNGATCGACATG	1605	TGCAGGACCAGAGAATTCGAATA CAATCTCTATNNNGATCGACATG	1845	TGCAGGACCAGAGAATTCGAATA CATAAGATAGNNNGATCGACATG	2085
TGCAGGACCAGAGAATTCGAATA CATGGTACACNNNGATCGACATG	1606	TGCAGGACCAGAGAATTCGAATA CATAATGCCGNNNGATCGACATG	1846	TGCAGGACCAGAGAATTCGAATA CAGCAATCTGNNNGATCGACATG	2086
TGCAGGACCAGAGAATTCGAATA CACCTCGGCTNNNGATCGACATG	1607	TGCAGGACCAGAGAATTCGAATA CACAGGCGGANNNGATCGACATG	1847	TGCAGGACCAGAGAATTCGAATA CACTGCCAGGNNNGATCGACATG	2087
TGCAGGACCAGAGAATTCGAATA CAGCGACGANNNGATCGACATG	1608	TGCAGGACCAGAGAATTCGAATA CAGCGAATGANNNGATCGACATG	1848	TGCAGGACCAGAGAATTCGAATA CAGGTTTTATNNNGATCGACATG	2088
TGCAGGACCAGAGAATTCGAATA CACCCCTGATNNNGATCGACATG	1609	TGCAGGACCAGAGAATTCGAATA CAAGCGTACTNNNGATCGACATG	1849	TGCAGGACCAGAGAATTCGAATA CAAACCTTCCGNNNGATCGACATG	2089
TGCAGGACCAGAGAATTCGAATA CAATTCTCTANNNGATCGACATG	1610	TGCAGGACCAGAGAATTCGAATA CACCCAGGCANNNGATCGACATG	1850	TGCAGGACCAGAGAATTCGAATA CACCAACCCGNNNGATCGACATG	2090
TGCAGGACCAGAGAATTCGAATA CACTGTCAAGNNNGATCGACATG	1611	TGCAGGACCAGAGAATTCGAATA CAGGCCCTGTNNNGATCGACATG	1851	TGCAGGACCAGAGAATTCGAATA CATGGAAGACNNNGATCGACATG	2091
TGCAGGACCAGAGAATTCGAATA CAATTACCGNNNGATCGACATG	1612	TGCAGGACCAGAGAATTCGAATA CACCTAGGCGNNNGATCGACATG	1852	TGCAGGACCAGAGAATTCGAATA CAATTGAAGANNNGATCGACATG	2092
TGCAGGACCAGAGAATTCGAATA CATAATATCGNNNGATCGACATG	1613	TGCAGGACCAGAGAATTCGAATA CACCGTTTTGNNGATCGACATG	1853	TGCAGGACCAGAGAATTCGAATA CATTTTACANNNGATCGACATG	2093
TGCAGGACCAGAGAATTCGAATA CAATAGACTTNNNGATCGACATG	1614	TGCAGGACCAGAGAATTCGAATA CAGACGCACCNNGATCGACATG	1854	TGCAGGACCAGAGAATTCGAATA CAACGAACTCANNNGATCGACATG	2094
TGCAGGACCAGAGAATTCGAATA CACCTGATAGNNNGATCGACATG	1615	TGCAGGACCAGAGAATTCGAATA CAACTTATGANNNGATCGACATG	1855	TGCAGGACCAGAGAATTCGAATA CAAGGCCGTGNNNGATCGACATG	2095
TGCAGGACCAGAGAATTCGAATA CAGCCGCACANNNGATCGACATG	1616	TGCAGGACCAGAGAATTCGAATA CAAGATCAAANNNGATCGACATG	1856	TGCAGGACCAGAGAATTCGAATA CATTGGAGCTNNNGATCGACATG	2096
TGCAGGACCAGAGAATTCGAATA CACGAATATTNNNGATCGACATG	1617	TGCAGGACCAGAGAATTCGAATA CATACTTCCGNNNGATCGACATG	1857	TGCAGGACCAGAGAATTCGAATA CAACAGACAGNNNGATCGACATG	2097
TGCAGGACCAGAGAATTCGAATA CAGTCAATCGNNNGATCGACATG	1618	TGCAGGACCAGAGAATTCGAATA CACGTTAGACNNNGATCGACATG	1858	TGCAGGACCAGAGAATTCGAATA CAATCGTCAGNNNGATCGACATG	2098
TGCAGGACCAGAGAATTCGAATA CATCAGCCCNNGATCGACATG	1619	TGCAGGACCAGAGAATTCGAATA CAGGAGTTAGNNNGATCGACATG	1859	TGCAGGACCAGAGAATTCGAATA CATTATGTCNNNGATCGACATG	2099
TGCAGGACCAGAGAATTCGAATA CAGGAGTTCTNNNGATCGACATG	1620	TGCAGGACCAGAGAATTCGAATA CAGACCTCTTNNNGATCGACATG	1860	TGCAGGACCAGAGAATTCGAATA CAGTCACGATNNNGATCGACATG	2100
TGCAGGACCAGAGAATTCGAATA CAGTGAATCCNNNGATCGACATG	1621	TGCAGGACCAGAGAATTCGAATA CAGCCCGCAANNNGATCGACATG	1861	TGCAGGACCAGAGAATTCGAATA CACATTCTGNNNGATCGACATG	2101

FIG. 14G

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA	1622	TGCAGGACCAGAGAATTCGAATA	1862	TGCAGGACCAGAGAATTCGAATA	2102
CAACGATTATNNNGATCGACATG		CAGAACCCATNNNGATCGACATG		CAGAAAAACTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	1623	TGCAGGACCAGAGAATTCGAATA	1863	TGCAGGACCAGAGAATTCGAATA	2103
CACAATCCGANNNGATCGACATG		CACCACTGCCNNNGATCGACATG		CATCGTCGTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	1624	TGCAGGACCAGAGAATTCGAATA	1864	TGCAGGACCAGAGAATTCGAATA	2104
CAGGCAATGANNNGATCGACATG		CACTAATTTCNNNGATCGACATG		CAATTGTGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	1625	TGCAGGACCAGAGAATTCGAATA	1865	TGCAGGACCAGAGAATTCGAATA	2105
CACTGTCCAGANNNGATCGACATG		CACGGTCCAGNNNGATCGACATG		CAACTGGACTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	1626	TGCAGGACCAGAGAATTCGAATA	1866	TGCAGGACCAGAGAATTCGAATA	2106
CACAGACCTANNNGATCGACATG		CATTTCCGACNNNGATCGACATG		CACGTTGTTCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	1627	TGCAGGACCAGAGAATTCGAATA	1867	TGCAGGACCAGAGAATTCGAATA	2107
CAGATCATCGNNNGATCGACATG		CAGGATAAGCNNNGATCGACATG		CACAAGACCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	1628	TGCAGGACCAGAGAATTCGAATA	1868	TGCAGGACCAGAGAATTCGAATA	2108
CAGAAACGAGTNNNGATCGACATG		CACTCCGAGNNNGATCGACATG		CATACCCCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATA	1629	TGCAGGACCAGAGAATTCGAATA	1869	TGCAGGACCAGAGAATTCGAATA	2109
CATCGGTGATNNNTGCATCAGGT		CAACTGAAAANNNTGCATCAGGT		CACCTACCGCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1630	TGCAGGACCAGAGAATTCGAATA	1870	TGCAGGACCAGAGAATTCGAATA	2110
CAATTGCAATNNNTGCATCAGGT		CAAGTCTTTNNNTGCATCAGGT		CAAGACAGTGNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1631	TGCAGGACCAGAGAATTCGAATA	1871	TGCAGGACCAGAGAATTCGAATA	2111
CATTACGATNNNTGCATCAGGT		CAGGTGTTACNNNTGCATCAGGT		CAGTCCTATCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1632	TGCAGGACCAGAGAATTCGAATA	1872	TGCAGGACCAGAGAATTCGAATA	2112
CATGTACGTGNNNTGCATCAGGT		CATATCCGCTNNNTGCATCAGGT		CACGCGCTCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1633	TGCAGGACCAGAGAATTCGAATA	1873	TGCAGGACCAGAGAATTCGAATA	2113
CAGCGTGTGCNNNTGCATCAGGT		CAGCGTGAGNNNTGCATCAGGT		CATTGATTCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1634	TGCAGGACCAGAGAATTCGAATA	1874	TGCAGGACCAGAGAATTCGAATA	2114
CACCATATAANNNTGCATCAGGT		CAGCCGTTCCNNNTGCATCAGGT		CAATAATGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1635	TGCAGGACCAGAGAATTCGAATA	1875	TGCAGGACCAGAGAATTCGAATA	2115
CAAAATTTAGNNNTGCATCAGGT		CATTACCCCANNTGCATCAGGT		CAGAGTTAAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1636	TGCAGGACCAGAGAATTCGAATA	1876	TGCAGGACCAGAGAATTCGAATA	2116
CAGTATCACGNNNTGCATCAGGT		CAGACCCCTCNNNTGCATCAGGT		CACGACACATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1637	TGCAGGACCAGAGAATTCGAATA	1877	TGCAGGACCAGAGAATTCGAATA	2117
CACCTTAGGANNNTGCATCAGGT		CATATGGAGNNNTGCATCAGGT		CATTGGCCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1638	TGCAGGACCAGAGAATTCGAATA	1878	TGCAGGACCAGAGAATTCGAATA	2118
CATAAAAAGCNNNTGCATCAGGT		CAGACGGTCCNNNTGCATCAGGT		CAGAACTTTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1639	TGCAGGACCAGAGAATTCGAATA	1879	TGCAGGACCAGAGAATTCGAATA	2119
CATGCATCCTNNNTGCATCAGGT		CACTACGACANNNTGCATCAGGT		CACCAAAACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1640	TGCAGGACCAGAGAATTCGAATA	1880	TGCAGGACCAGAGAATTCGAATA	2120
CACAGCCTGGNNNTGCATCAGGT		CATGACTACGNNNTGCATCAGGT		CAATACGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1641	TGCAGGACCAGAGAATTCGAATA	1881	TGCAGGACCAGAGAATTCGAATA	2121
CACACACTAGNNNTGCATCAGGT		CAGGACGTTTNNNTGCATCAGGT		CAAGTAGAATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1642	TGCAGGACCAGAGAATTCGAATA	1882	TGCAGGACCAGAGAATTCGAATA	2122
CACGTATCCTNNNTGCATCAGGT		CAAAGCCTCANNNTGCATCAGGT		CAGTACTACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1643	TGCAGGACCAGAGAATTCGAATA	1883	TGCAGGACCAGAGAATTCGAATA	2123
CATGGCTTAGNNNTGCATCAGGT		CACTTTAAAGNNNTGCATCAGGT		CATTTCATGAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1644	TGCAGGACCAGAGAATTCGAATA	1884	TGCAGGACCAGAGAATTCGAATA	2124
CACGTGCATCNNNTGCATCAGGT		CATTGTGATTCNNNTGCATCAGGT		CACCTAAGGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1645	TGCAGGACCAGAGAATTCGAATA	1885	TGCAGGACCAGAGAATTCGAATA	2125
CATCCAGAACNNNTGCATCAGGT		CACTGTATTTNNNTGCATCAGGT		CAACAAAGGCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1646	TGCAGGACCAGAGAATTCGAATA	1886	TGCAGGACCAGAGAATTCGAATA	2126
CACGAGTACTNNNTGCATCAGGT		CATTAAATGGNNNTGCATCAGGT		CAGAGGCAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1647	TGCAGGACCAGAGAATTCGAATA	1887	TGCAGGACCAGAGAATTCGAATA	2127
CAGATCCAGANNNTGCATCAGGT		CACAGAGTTCNNNTGCATCAGGT		CACTACTCGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1648	TGCAGGACCAGAGAATTCGAATA	1888	TGCAGGACCAGAGAATTCGAATA	2128
CAAGAATAACNNNTGCATCAGGT		CAGCATCTAGNNNTGCATCAGGT		CAGGTAGTGANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1649	TGCAGGACCAGAGAATTCGAATA	1889	TGCAGGACCAGAGAATTCGAATA	2129
CAGCGCACANNNTGCATCAGGT		CATTGTCTATNNNTGCATCAGGT		CACCAACCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCGAATA	1650	TGCAGGACCAGAGAATTCGAATA	1890	TGCAGGACCAGAGAATTCGAATA	2130
CACAGCAACTNNNTGCATCAGGT		CACATCCTGTNNNTGCATCAGGT		CATGTGTGACNNNTGCATCAGGT	

FIG. 14H

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CAGTGGCATANNNTGCATCAGGT	1651	TGCAGGACCAGAGAATTCGAATA CACATTCAAANNNTGCATCAGGT	1891	TGCAGGACCAGAGAATTCGAATA CACACCCTGCNNNTGCATCAGGT	2131
TGCAGGACCAGAGAATTCGAATA CAATCTATTNNNTGCATCAGGT	1652	TGCAGGACCAGAGAATTCGAATA CAAAAGCCTCNNNTGCATCAGGT	1892	TGCAGGACCAGAGAATTCGAATA CATCGCCATTNNNTGCATCAGGT	2132
TGCAGGACCAGAGAATTCGAATA CAAGTATGTTNNNTGCATCAGGT	1653	TGCAGGACCAGAGAATTCGAATA CATGATCAATNNNTGCATCAGGT	1893	TGCAGGACCAGAGAATTCGAATA CAACTTCGCTNNNTGCATCAGGT	2133
TGCAGGACCAGAGAATTCGAATA CAGGTTCTTNNNTGCATCAGGT	1654	TGCAGGACCAGAGAATTCGAATA CAATATGATCNNNTGCATCAGGT	1894	TGCAGGACCAGAGAATTCGAATA CATTGCTTTANNNTGCATCAGGT	2134
TGCAGGACCAGAGAATTCGAATA CATAGTGGCTNNNTGCATCAGGT	1655	TGCAGGACCAGAGAATTCGAATA CAGGACCGAGNNNTGCATCAGGT	1895	TGCAGGACCAGAGAATTCGAATA CAGCACGAGNNNTGCATCAGGT	2135
TGCAGGACCAGAGAATTCGAATA CACCAACTTCNNNTGCATCAGGT	1656	TGCAGGACCAGAGAATTCGAATA CACCCCTAATNNNTGCATCAGGT	1896	TGCAGGACCAGAGAATTCGAATA CACGAATGTCNNNTGCATCAGGT	2136
TGCAGGACCAGAGAATTCGAATA CAAGTTCAAANNNTGCATCAGGT	1657	TGCAGGACCAGAGAATTCGAATA CACTCAAAGCNNNTGCATCAGGT	1897	TGCAGGACCAGAGAATTCGAATA CATGGCTAGTNNNTGCATCAGGT	2137
TGCAGGACCAGAGAATTCGAATA CATTGTTCCGNNNTGCATCAGGT	1658	TGCAGGACCAGAGAATTCGAATA CACTTCGTACNNNTGCATCAGGT	1898	TGCAGGACCAGAGAATTCGAATA CAGTGTATTANNNTGCATCAGGT	2138
TGCAGGACCAGAGAATTCGAATA CAGTCATGCANNNTGCATCAGGT	1659	TGCAGGACCAGAGAATTCGAATA CAATTGGCCANNNTGCATCAGGT	1899	TGCAGGACCAGAGAATTCGAATA CATTCCTTCCNNNTGCATCAGGT	2139
TGCAGGACCAGAGAATTCGAATA CACTGTAAATNNNTGCATCAGGT	1660	TGCAGGACCAGAGAATTCGAATA CACGAAGGTANNNTGCATCAGGT	1900	TGCAGGACCAGAGAATTCGAATA CATCAACTAANNNTGCATCAGGT	2140
TGCAGGACCAGAGAATTCGAATA CATCTCTCTCNNNTGCATCAGGT	1661	TGCAGGACCAGAGAATTCGAATA CAGGCCTTGGNNNTGCATCAGGT	1901	TGCAGGACCAGAGAATTCGAATA CATTTACAAGNNNTGCATCAGGT	2141
TGCAGGACCAGAGAATTCGAATA CACTTCGCGCNNNTGCATCAGGT	1662	TGCAGGACCAGAGAATTCGAATA CAACAATATCNNNTGCATCAGGT	1902	TGCAGGACCAGAGAATTCGAATA CATCCTGCGNNNTGCATCAGGT	2142
TGCAGGACCAGAGAATTCGAATA CACTTCGCGCNNNTGCATCAGGT	1663	TGCAGGACCAGAGAATTCGAATA CATCACAACGNNNTGCATCAGGT	1903	TGCAGGACCAGAGAATTCGAATA CATCGGCTAANNNTGCATCAGGT	2143
TGCAGGACCAGAGAATTCGAATA CAACAGATTTNNNTGCATCAGGT	1664	TGCAGGACCAGAGAATTCGAATA CAACTGTACGNNNTGCATCAGGT	1904	TGCAGGACCAGAGAATTCGAATA CAAGGAGCATNNNTGCATCAGGT	2144
TGCAGGACCAGAGAATTCGAATA CACAGACAAGNNNTGCATCAGGT	1665	TGCAGGACCAGAGAATTCGAATA CATCTCAATTNNNTGCATCAGGT	1905	TGCAGGACCAGAGAATTCGAATA CAGGAATACGNNNTGCATCAGGT	2145
TGCAGGACCAGAGAATTCGAATA CACAGCTACANNNTGCATCAGGT	1666	TGCAGGACCAGAGAATTCGAATA CAAGGCTCTANNNTGCATCAGGT	1906	TGCAGGACCAGAGAATTCGAATA CATGAGACGANNNTGCATCAGGT	2146
TGCAGGACCAGAGAATTCGAATA CAGACCGAGNNNTGCATCAGGT	1667	TGCAGGACCAGAGAATTCGAATA CACCTTAACANNNTGCATCAGGT	1907	TGCAGGACCAGAGAATTCGAATA CACCAACGAGNNNTGCATCAGGT	2147
TGCAGGACCAGAGAATTCGAATA CACCTATAAANNNTGCATCAGGT	1668	TGCAGGACCAGAGAATTCGAATA CAGATTCTCTNNNTGCATCAGGT	1908	TGCAGGACCAGAGAATTCGAATA CAAGCTCATGNNNTGCATCAGGT	2148
TGCAGGACCAGAGAATTCGAATA CACCTAACCTNNNTGCATCAGGT	1669	TGCAGGACCAGAGAATTCGAATA CATGCCCTGTTNNNTGCATCAGGT	1909	TGCAGGACCAGAGAATTCGAATA CATATACCGGNNNTGCATCAGGT	2149
TGCAGGACCAGAGAATTCGAATA CATTTAGCGGNNNTGCATCAGGT	1670	TGCAGGACCAGAGAATTCGAATA CATCACCAAGNNNTGCATCAGGT	1910	TGCAGGACCAGAGAATTCGAATA CAGATGCCATNNNTGCATCAGGT	2150
TGCAGGACCAGAGAATTCGAATA CATAAACCATTNNNTGCATCAGGT	1671	TGCAGGACCAGAGAATTCGAATA CACTTCGCGCNNNTGCATCAGGT	1911	TGCAGGACCAGAGAATTCGAATA CATTGAGCTGNNNTGCATCAGGT	2151
TGCAGGACCAGAGAATTCGAATA CAGCTAACTGNNNTGCATCAGGT	1672	TGCAGGACCAGAGAATTCGAATA CAAAACGCGANNNTGCATCAGGT	1912	TGCAGGACCAGAGAATTCGAATA CATAAATGGANNNTGCATCAGGT	2152
TGCAGGACCAGAGAATTCGAATA CAGTACAGANNNTGCATCAGGT	1673	TGCAGGACCAGAGAATTCGAATA CAGGCATTCTNNNTGCATCAGGT	1913	TGCAGGACCAGAGAATTCGAATA CAACATGAAANNNTGCATCAGGT	2153
TGCAGGACCAGAGAATTCGAATA CACCGGACANNNTGCATCAGGT	1674	TGCAGGACCAGAGAATTCGAATA CAGGCCTATTNNNTGCATCAGGT	1914	TGCAGGACCAGAGAATTCGAATA CACTCGGAGCANNNTGCATCAGGT	2154
TGCAGGACCAGAGAATTCGAATA CACCTCTAGTNNNTGCATCAGGT	1675	TGCAGGACCAGAGAATTCGAATA CATCATCATNNNTGCATCAGGT	1915	TGCAGGACCAGAGAATTCGAATA CAGTTTCCTGNNNTGCATCAGGT	2155
TGCAGGACCAGAGAATTCGAATA CAGCCCTGTNNNTGCATCAGGT	1676	TGCAGGACCAGAGAATTCGAATA CAAAATTCAGTNNNTGCATCAGGT	1916	TGCAGGACCAGAGAATTCGAATA CACAAATGCGNNNTGCATCAGGT	2156
TGCAGGACCAGAGAATTCGAATA CAGGACTGCGNNNTGCATCAGGT	1677	TGCAGGACCAGAGAATTCGAATA CAATTCTGCGNNNTGCATCAGGT	1917	TGCAGGACCAGAGAATTCGAATA CATGGTGCNNNTGCATCAGGT	2157
TGCAGGACCAGAGAATTCGAATA CACCCCTCTGNNNTGCATCAGGT	1678	TGCAGGACCAGAGAATTCGAATA CAATAGAGTANNNTGCATCAGGT	1918	TGCAGGACCAGAGAATTCGAATA CATACGGAGANNNTGCATCAGGT	2158
TGCAGGACCAGAGAATTCGAATA CAACCAAGTCNNNTGCATCAGGT	1679	TGCAGGACCAGAGAATTCGAATA CAGAGCGGACNNNTGCATCAGGT	1919	TGCAGGACCAGAGAATTCGAATA CAGGCGTGGANNNTGCATCAGGT	2159

FIG. 14I

Pool-7	SEQ ID NO:	Pool-8	SEQ ID NO:	Pool-9	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CAGCGTGCTCANNNTGCATCAGGT	1680	TGCAGGACCAGAGAATTCGAATA CAACTTTTACNNNTGCATCAGGT	1920	TGCAGGACCAGAGAATTCGAATA CATCTAACGGNNNTGCATCAGGT	2160
TGCAGGACCAGAGAATTCGAATA CACCGACGCANNNTGCATCAGGT	1681	TGCAGGACCAGAGAATTCGAATA CAAGTCAAAANNNTGCATCAGGT	1921	TGCAGGACCAGAGAATTCGAATA CATATAGCATNNNTGCATCAGGT	2161
TGCAGGACCAGAGAATTCGAATA CATTACCGGANNNTGCATCAGGT	1682	TGCAGGACCAGAGAATTCGAATA CATCTAGACGNNNTGCATCAGGT	1922	TGCAGGACCAGAGAATTCGAATA CACGCTCCGTNNNTGCATCAGGT	2162
TGCAGGACCAGAGAATTCGAATA CATCTTTGCGNNNTGCATCAGGT	1683	TGCAGGACCAGAGAATTCGAATA CACAAATGTTNNNTGCATCAGGT	1923	TGCAGGACCAGAGAATTCGAATA CAATACATGTTNNNTGCATCAGGT	2163
TGCAGGACCAGAGAATTCGAATA CACACAATTANNNTGCATCAGGT	1684	TGCAGGACCAGAGAATTCGAATA CATGGCTTTCNNNTGCATCAGGT	1924	TGCAGGACCAGAGAATTCGAATA CAGGCTCGCANNNTGCATCAGGT	2164
TGCAGGACCAGAGAATTCGAATA CACCTACATCANNNTGCATCAGGT	1685	TGCAGGACCAGAGAATTCGAATA CAAGGCTGTTNNNTGCATCAGGT	1925	TGCAGGACCAGAGAATTCGAATA CAGTTTAGTANNNTGCATCAGGT	2165
TGCAGGACCAGAGAATTCGAATA CAATTACTGANNNTGCATCAGGT	1686	TGCAGGACCAGAGAATTCGAATA CAAACTATTGNNNTGCATCAGGT	1926	TGCAGGACCAGAGAATTCGAATA CACTGAAATTNNNTGCATCAGGT	2166
TGCAGGACCAGAGAATTCGAATA CATTTTTCGANNNTGCATCAGGT	1687	TGCAGGACCAGAGAATTCGAATA CAATGTATTGNNNTGCATCAGGT	1927	TGCAGGACCAGAGAATTCGAATA CAAACACCTGNNNTGCATCAGGT	2167
TGCAGGACCAGAGAATTCGAATA CAAGGTGCTTNNNTGCATCAGGT	1688	TGCAGGACCAGAGAATTCGAATA CACGTGCGCANNNTGCATCAGGT	1928	TGCAGGACCAGAGAATTCGAATA CAGGAAAACNNNTGCATCAGGT	2168

FIG. 15A

Pool-10	SEQ ID NO.	Pool-11	SEQ ID NO.	Pool-12	SEQ ID NO.
TGCAGGACCAGAGAATTCGAATACAGCTTCTCANNNACGTATGCCA	2169	TGCAGGACCAGAGAATTCGAATACAACTAGCCNNNACGTATGCCA	2409	TGCAGGACCAGAGAATTCGAATACATGAGAAANNNACGTATGCCA	2649
TGCAGGACCAGAGAATTCGAATACAA	2170	TGCAGGACCAGAGAATTCGAATACAA	2410	TGCAGGACCAGAGAATTCGAATACAA	2650
TGCAGGACCAGAGAATTCGAATACAT	2171	TGCAGGACCAGAGAATTCGAATACAC	2411	TGCAGGACCAGAGAATTCGAATACAA	2651
TGCAGGACCAGAGAATTCGAATACAC	2172	TGCAGGACCAGAGAATTCGAATACAG	2412	TGCAGGACCAGAGAATTCGAATACAG	2652
TGCAGGACCAGAGAATTCGAATACAA	2173	TGCAGGACCAGAGAATTCGAATACAC	2413	TGCAGGACCAGAGAATTCGAATACAC	2653
TGCAGGACCAGAGAATTCGAATACAT	2174	TGCAGGACCAGAGAATTCGAATACAG	2414	TGCAGGACCAGAGAATTCGAATACAA	2654
TGCAGGACCAGAGAATTCGAATACAC	2175	TGCAGGACCAGAGAATTCGAATACAT	2415	TGCAGGACCAGAGAATTCGAATACAT	2655
TGCAGGACCAGAGAATTCGAATACAG	2176	TGCAGGACCAGAGAATTCGAATACAA	2416	TGCAGGACCAGAGAATTCGAATACAA	2656
TGCAGGACCAGAGAATTCGAATACAG	2177	TGCAGGACCAGAGAATTCGAATACAT	2417	TGCAGGACCAGAGAATTCGAATACAA	2657
TGCAGGACCAGAGAATTCGAATACAG	2178	TGCAGGACCAGAGAATTCGAATACAG	2418	TGCAGGACCAGAGAATTCGAATACAT	2658
TGCAGGACCAGAGAATTCGAATACAA	2179	TGCAGGACCAGAGAATTCGAATACAG	2419	TGCAGGACCAGAGAATTCGAATACAG	2659
TGCAGGACCAGAGAATTCGAATACAG	2180	TGCAGGACCAGAGAATTCGAATACAC	2420	TGCAGGACCAGAGAATTCGAATACAA	2660
TGCAGGACCAGAGAATTCGAATACAA	2181	TGCAGGACCAGAGAATTCGAATACAT	2421	TGCAGGACCAGAGAATTCGAATACAA	2661
TGCAGGACCAGAGAATTCGAATACAG	2182	TGCAGGACCAGAGAATTCGAATACAG	2422	TGCAGGACCAGAGAATTCGAATACAG	2662
TGCAGGACCAGAGAATTCGAATACAT	2183	TGCAGGACCAGAGAATTCGAATACAT	2423	TGCAGGACCAGAGAATTCGAATACAG	2663
TGCAGGACCAGAGAATTCGAATACAA	2184	TGCAGGACCAGAGAATTCGAATACAT	2424	TGCAGGACCAGAGAATTCGAATACAG	2664
TGCAGGACCAGAGAATTCGAATACAA	2185	TGCAGGACCAGAGAATTCGAATACAT	2425	TGCAGGACCAGAGAATTCGAATACAG	2665
TGCAGGACCAGAGAATTCGAATACAG	2186	TGCAGGACCAGAGAATTCGAATACAC	2426	TGCAGGACCAGAGAATTCGAATACAA	2666
TGCAGGACCAGAGAATTCGAATACAG	2187	TGCAGGACCAGAGAATTCGAATACAA	2427	TGCAGGACCAGAGAATTCGAATACAC	2667
TGCAGGACCAGAGAATTCGAATACAC	2188	TGCAGGACCAGAGAATTCGAATACAA	2428	TGCAGGACCAGAGAATTCGAATACAA	2668
TGCAGGACCAGAGAATTCGAATACAT	2189	TGCAGGACCAGAGAATTCGAATACAT	2429	TGCAGGACCAGAGAATTCGAATACAG	2669
TGCAGGACCAGAGAATTCGAATACAC	2190	TGCAGGACCAGAGAATTCGAATACAG	2430	TGCAGGACCAGAGAATTCGAATACAT	2670
TGCAGGACCAGAGAATTCGAATACAC	2191	TGCAGGACCAGAGAATTCGAATACAT	2431	TGCAGGACCAGAGAATTCGAATACAG	2671
TGCAGGACCAGAGAATTCGAATACAA	2192	TGCAGGACCAGAGAATTCGAATACAC	2432	TGCAGGACCAGAGAATTCGAATACAA	2672
TGCAGGACCAGAGAATTCGAATACAG	2193	TGCAGGACCAGAGAATTCGAATACAC	2433	TGCAGGACCAGAGAATTCGAATACAG	2673
TGCAGGACCAGAGAATTCGAATACAC	2194	TGCAGGACCAGAGAATTCGAATACAC	2434	TGCAGGACCAGAGAATTCGAATACAC	2674
TGCAGGACCAGAGAATTCGAATACAT	2195	TGCAGGACCAGAGAATTCGAATACAT	2435	TGCAGGACCAGAGAATTCGAATACAC	2675
TGCAGGACCAGAGAATTCGAATACAT	2196	TGCAGGACCAGAGAATTCGAATACAG	2436	TGCAGGACCAGAGAATTCGAATACAT	2676
TGCAGGACCAGAGAATTCGAATACAC	2197	TGCAGGACCAGAGAATTCGAATACAC	2437	TGCAGGACCAGAGAATTCGAATACAA	2677
TGCAGGACCAGAGAATTCGAATACAG	2198	TGCAGGACCAGAGAATTCGAATACAC	2438	TGCAGGACCAGAGAATTCGAATACAT	2678
TGCAGGACCAGAGAATTCGAATACAA	2199	TGCAGGACCAGAGAATTCGAATACAC	2439	TGCAGGACCAGAGAATTCGAATACAA	2679
TGCAGGACCAGAGAATTCGAATACAC	2200	TGCAGGACCAGAGAATTCGAATACAG	2440	TGCAGGACCAGAGAATTCGAATACAT	2680

FIG. 15B

Pool-10	SEQ ID NO.	Pool-11	SEQ ID NO.	Pool-12	SEQ ID NO.
TGCAGGACCAGAGAATTCTGAATACAT	2201	TGCAGGACCAGAGAATTCTGAATACAG	2441	TGCAGGACCAGAGAATTCTGAATACAA	2681
GAGGATGNNNNACGTATGCCA		CAAATTTNNNACGTATGCCA		TCTACCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAC	2202	TGCAGGACCAGAGAATTCTGAATACAT	2442	TGCAGGACCAGAGAATTCTGAATACAT	2682
TCGTGCCNNNACGTATGCCA		TAGTGTANNNACGTATGCCA		GCCACAANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2203	TGCAGGACCAGAGAATTCTGAATACAG	2443	TGCAGGACCAGAGAATTCTGAATACAG	2683
TGCTCGTNNNACGTATGCCA		ATGAAATNNNACGTATGCCA		AGTGTTCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAA	2204	TGCAGGACCAGAGAATTCTGAATACAT	2444	TGCAGGACCAGAGAATTCTGAATACAA	2684
CACTGACNNNACGTATGCCA		TGCCGAANNNACGTATGCCA		ACAGCCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2205	TGCAGGACCAGAGAATTCTGAATACAT	2445	TGCAGGACCAGAGAATTCTGAATACAG	2685
TTGGTACNNNACGTATGCCA		CCTCGTTNNNACGTATGCCA		GACGACGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2206	TGCAGGACCAGAGAATTCTGAATACAC	2446	TGCAGGACCAGAGAATTCTGAATACAA	2686
TCAGTCCNNNACGTATGCCA		CCCATTNNNACGTATGCCA		TTCCGGANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2207	TGCAGGACCAGAGAATTCTGAATACAG	2447	TGCAGGACCAGAGAATTCTGAATACAG	2687
TAACAAAANNNACGTATGCCA		TTTGTNTNNNACGTATGCCA		GTCTCAANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAC	2208	TGCAGGACCAGAGAATTCTGAATACAT	2448	TGCAGGACCAGAGAATTCTGAATACAC	2688
AAGTGGTNNNACGTATGCCA		ATCCGTTNNNACGTATGCCA		ACCATGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2209	TGCAGGACCAGAGAATTCTGAATACAT	2449	TGCAGGACCAGAGAATTCTGAATACAC	2689
GGATACCCNNNACGTATGCCA		TCGGTGANNNACGTATGCCA		AAACGGANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAA	2210	TGCAGGACCAGAGAATTCTGAATACAC	2450	TGCAGGACCAGAGAATTCTGAATACAA	2690
TGCACCANNNACGTATGCCA		GTAAGGANNNACGTATGCCA		GAGCGTANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAA	2211	TGCAGGACCAGAGAATTCTGAATACAC	2451	TGCAGGACCAGAGAATTCTGAATACAC	2691
CTCCTTGNNNACGTATGCCA		TTTCTTTNNNACGTATGCCA		CCCTGACNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAA	2212	TGCAGGACCAGAGAATTCTGAATACAG	2452	TGCAGGACCAGAGAATTCTGAATACAC	2692
ATAGTTCCNNNACGTATGCCA		ACTTTTTNNNACGTATGCCA		CAAGTTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2213	TGCAGGACCAGAGAATTCTGAATACAG	2453	TGCAGGACCAGAGAATTCTGAATACAT	2693
GAGAGCANNNACGTATGCCA		GTTAAGGNNNACGTATGCCA		GTGTAATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2214	TGCAGGACCAGAGAATTCTGAATACAA	2454	TGCAGGACCAGAGAATTCTGAATACAA	2694
CACCCCGNNNACGTATGCCA		TCACGGTNNNACGTATGCCA		TTTGTGANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2215	TGCAGGACCAGAGAATTCTGAATACAC	2455	TGCAGGACCAGAGAATTCTGAATACAG	2695
AATGGAANNNACGTATGCCA		ATTTAGANNNACGTATGCCA		TAGCGTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2216	TGCAGGACCAGAGAATTCTGAATACAC	2456	TGCAGGACCAGAGAATTCTGAATACAC	2696
CCAAATANNNACGTATGCCA		ACCGCCANNNACGTATGCCA		ACGTGATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2217	TGCAGGACCAGAGAATTCTGAATACAC	2457	TGCAGGACCAGAGAATTCTGAATACAA	2697
AGGCTCCNNNACGTATGCCA		TGAATCGNNNACGTATGCCA		ACAGCGANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2218	TGCAGGACCAGAGAATTCTGAATACAT	2458	TGCAGGACCAGAGAATTCTGAATACAA	2698
CCGCGTCCNNNACGTATGCCA		TGTGTAAANNNACGTATGCCA		AATGCGGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2219	TGCAGGACCAGAGAATTCTGAATACAC	2459	TGCAGGACCAGAGAATTCTGAATACAT	2699
CATTGCAANNNACGTATGCCA		CGCGTGANNNACGTATGCCA		ACCAAGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAC	2220	TGCAGGACCAGAGAATTCTGAATACAA	2460	TGCAGGACCAGAGAATTCTGAATACAC	2700
CCCTTAANNNACGTATGCCA		ACCAGGNNNACGTATGCCA		GACCCCTCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2221	TGCAGGACCAGAGAATTCTGAATACAT	2461	TGCAGGACCAGAGAATTCTGAATACAA	2701
ACCGCCANNNACGTATGCCA		CGTTTGCNNNACGTATGCCA		CACCCCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2222	TGCAGGACCAGAGAATTCTGAATACAC	2462	TGCAGGACCAGAGAATTCTGAATACAC	2702
ATCTGACNNNACGTATGCCA		TATTGCGNNNACGTATGCCA		TGTCGCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2223	TGCAGGACCAGAGAATTCTGAATACAA	2463	TGCAGGACCAGAGAATTCTGAATACAA	2703
CATGTTGNNNACGTATGCCA		ACAGATAANNNACGTATGCCA		GCCGCCANNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2224	TGCAGGACCAGAGAATTCTGAATACAC	2464	TGCAGGACCAGAGAATTCTGAATACAT	2704
AGCACGTNNNACGTATGCCA		TATTATCANNNACGTATGCCA		GTACAATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2225	TGCAGGACCAGAGAATTCTGAATACAT	2465	TGCAGGACCAGAGAATTCTGAATACAG	2705
TGCCAATNNNACGTATGCCA		CCCAATCANNNACGTATGCCA		ATCTACGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAA	2226	TGCAGGACCAGAGAATTCTGAATACAC	2466	TGCAGGACCAGAGAATTCTGAATACAC	2706
CCCTCTANNNACGTATGCCA		TAAAGTTNNNACGTATGCCA		CAGTCTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAT	2227	TGCAGGACCAGAGAATTCTGAATACAA	2467	TGCAGGACCAGAGAATTCTGAATACAG	2707
TACGACGNNNACGTATGCCA		GCTAATTNNNACGTATGCCA		CTGCAATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAC	2228	TGCAGGACCAGAGAATTCTGAATACAT	2468	TGCAGGACCAGAGAATTCTGAATACAG	2708
ATATCGGNNNACGTATGCCA		TGTTATCANNNACGTATGCCA		AAGAGTCNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATACAG	2229	TGCAGGACCAGAGAATTCTGAATACAT	2469	TGCAGGACCAGAGAATTCTGAATACAA	2709
CGATATCANNNCTAGCGTTAC		AGTACGNNNCTAGCGTTAC		CAACTCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATACAT	2230	TGCAGGACCAGAGAATTCTGAATACAC	2470	TGCAGGACCAGAGAATTCTGAATACAT	2710
ACGAGGANNNCTAGCGTTAC		AGGCTATNNNCTAGCGTTAC		GCGCAATNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATACAT	2231	TGCAGGACCAGAGAATTCTGAATACAC	2471	TGCAGGACCAGAGAATTCTGAATACAT	2711
CTTACATNNNCTAGCGTTAC		ATTAGTANNNCTAGCGTTAC		AAGAACANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATACAG	2232	TGCAGGACCAGAGAATTCTGAATACAC	2472	TGCAGGACCAGAGAATTCTGAATACAC	2712
CGTCTCCNNNCTAGCGTTAC		CTCTAACNNNCTAGCGTTAC		GCTTGCCNNNCTAGCGTTAC	

FIG. 15C

Pool-10	SEQ ID NO.	Pool-11	SEQ ID NO.	Pool-12	SEQ ID NO.
TGCAGGACCAGAGAATTCGAATACAT	2233	TGCAGGACCAGAGAATTCGAATACAT	2473	TGCAGGACCAGAGAATTCGAATACAT	2713
AATCCGNNNNCTAGCGTTAC		AGTGTGNNNNCTAGCGTTAC		TACACGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2234	TGCAGGACCAGAGAATTCGAATACAC	2474	TGCAGGACCAGAGAATTCGAATACAC	2714
AGCATACNNNNCTAGCGTTAC		GCAGAGNNNNCTAGCGTTAC		TCCACGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2235	TGCAGGACCAGAGAATTCGAATACAG	2475	TGCAGGACCAGAGAATTCGAATACAG	2715
TTCTCCANNNNCTAGCGTTAC		CGGTTGNNNNCTAGCGTTAC		GACCCAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2236	TGCAGGACCAGAGAATTCGAATACAA	2476	TGCAGGACCAGAGAATTCGAATACAA	2716
GTTCCTCANNNNCTAGCGTTAC		CAGAGTTNNNNCTAGCGTTAC		GGTCAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2237	TGCAGGACCAGAGAATTCGAATACAT	2477	TGCAGGACCAGAGAATTCGAATACAC	2717
AATCGAANNNNCTAGCGTTAC		GATGAAANNNNCTAGCGTTAC		ACTATCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2238	TGCAGGACCAGAGAATTCGAATACAG	2478	TGCAGGACCAGAGAATTCGAATACAC	2718
GATTATCANNNNCTAGCGTTAC		GTGAATGNNNNCTAGCGTTAC		TAGTCTCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2239	TGCAGGACCAGAGAATTCGAATACAG	2479	TGCAGGACCAGAGAATTCGAATACAT	2719
TTTCACNNNNCTAGCGTTAC		TATGTGNNNNCTAGCGTTAC		ACCTTCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2240	TGCAGGACCAGAGAATTCGAATACAA	2480	TGCAGGACCAGAGAATTCGAATACAA	2720
TTATACGNNNNCTAGCGTTAC		ATACTACNNNNCTAGCGTTAC		ACCAGAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2241	TGCAGGACCAGAGAATTCGAATACAT	2481	TGCAGGACCAGAGAATTCGAATACAT	2721
CCATCCTNNNNCTAGCGTTAC		TCGGATGNNNNCTAGCGTTAC		GACTTCGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2242	TGCAGGACCAGAGAATTCGAATACAT	2482	TGCAGGACCAGAGAATTCGAATACAA	2722
AGACTACNNNNCTAGCGTTAC		ACATTAGNNNNCTAGCGTTAC		CCCAGATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2243	TGCAGGACCAGAGAATTCGAATACAT	2483	TGCAGGACCAGAGAATTCGAATACAT	2723
ATTGGTGNNNNNCTAGCGTTAC		GGCCCGANNNNCTAGCGTTAC		GCGCTTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2244	TGCAGGACCAGAGAATTCGAATACAG	2484	TGCAGGACCAGAGAATTCGAATACAG	2724
AGACCTTNNNNCTAGCGTTAC		TTGAGTCNNNNCTAGCGTTAC		GAGGACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2245	TGCAGGACCAGAGAATTCGAATACAG	2485	TGCAGGACCAGAGAATTCGAATACAT	2725
CAGGCCGNNNNCTAGCGTTAC		TTAGCACNNNNCTAGCGTTAC		CGTCCATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2246	TGCAGGACCAGAGAATTCGAATACAA	2486	TGCAGGACCAGAGAATTCGAATACAC	2726
AACACACNNNNCTAGCGTTAC		GTTCCTCANNNNCTAGCGTTAC		GACCTCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2247	TGCAGGACCAGAGAATTCGAATACAC	2487	TGCAGGACCAGAGAATTCGAATACAA	2727
GAAGTCGNNNNCTAGCGTTAC		ATGGAGANNNNCTAGCGTTAC		GATTCCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2248	TGCAGGACCAGAGAATTCGAATACAA	2488	TGCAGGACCAGAGAATTCGAATACAA	2728
AGACTATNNNNCTAGCGTTAC		ATCGTCGNNNNCTAGCGTTAC		CTCGAACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2249	TGCAGGACCAGAGAATTCGAATACAA	2489	TGCAGGACCAGAGAATTCGAATACAA	2729
CGAGAAANNNNCTAGCGTTAC		CTCGCAANNNNCTAGCGTTAC		GACCGATGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2250	TGCAGGACCAGAGAATTCGAATACAT	2490	TGCAGGACCAGAGAATTCGAATACAG	2730
TCCATATNNNNCTAGCGTTAC		CAGCCTTNNNNCTAGCGTTAC		AACTTATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2251	TGCAGGACCAGAGAATTCGAATACAT	2491	TGCAGGACCAGAGAATTCGAATACAA	2731
CCATGATNNNNCTAGCGTTAC		TGCCTCANNNNCTAGCGTTAC		CCAGCGCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2252	TGCAGGACCAGAGAATTCGAATACAG	2492	TGCAGGACCAGAGAATTCGAATACAT	2732
GCACGANNNNCTAGCGTTAC		GACCCACNNNNCTAGCGTTAC		ACCTCTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2253	TGCAGGACCAGAGAATTCGAATACAT	2493	TGCAGGACCAGAGAATTCGAATACAC	2733
CCAGTAANNNNCTAGCGTTAC		TCTCCAGNNNNCTAGCGTTAC		GGAGCGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2254	TGCAGGACCAGAGAATTCGAATACAG	2494	TGCAGGACCAGAGAATTCGAATACAA	2734
TCAAACGNNNNCTAGCGTTAC		TCCTCGCNNNNCTAGCGTTAC		CCGGAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2255	TGCAGGACCAGAGAATTCGAATACAA	2495	TGCAGGACCAGAGAATTCGAATACAG	2735
AGATCTGNNNNCTAGCGTTAC		ATAGTCTNNNNCTAGCGTTAC		GATCGCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2256	TGCAGGACCAGAGAATTCGAATACAG	2496	TGCAGGACCAGAGAATTCGAATACAA	2736
GAAAATCNNNNCTAGCGTTAC		CTGGATTNNNNCTAGCGTTAC		TCAGCACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2257	TGCAGGACCAGAGAATTCGAATACAT	2497	TGCAGGACCAGAGAATTCGAATACAA	2737
TCCTTCANNNNCTAGCGTTAC		TCGTCAACNNNNCTAGCGTTAC		ACTCTCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2258	TGCAGGACCAGAGAATTCGAATACAA	2498	TGCAGGACCAGAGAATTCGAATACAT	2738
CCATCTANNNNCTAGCGTTAC		TTATGACNNNNCTAGCGTTAC		ATGAGTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2259	TGCAGGACCAGAGAATTCGAATACAT	2499	TGCAGGACCAGAGAATTCGAATACAA	2739
TAAGGTCNNNNCTAGCGTTAC		TTTAGAGNNNNCTAGCGTTAC		GGCGTCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2260	TGCAGGACCAGAGAATTCGAATACAG	2500	TGCAGGACCAGAGAATTCGAATACAA	2740
ACCGACGNNNNCTAGCGTTAC		ATATACTNNNNCTAGCGTTAC		GAATTAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2261	TGCAGGACCAGAGAATTCGAATACAC	2501	TGCAGGACCAGAGAATTCGAATACAG	2741
TTTAGATNNNNCTAGCGTTAC		CTACCCGNNNNCTAGCGTTAC		ATTTAGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2262	TGCAGGACCAGAGAATTCGAATACAA	2502	TGCAGGACCAGAGAATTCGAATACAT	2742
CCCTCCNNNNCTAGCGTTAC		ACCTTTTNNNNCTAGCGTTAC		ATTTCTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2263	TGCAGGACCAGAGAATTCGAATACAA	2503	TGCAGGACCAGAGAATTCGAATACAG	2743
TAATCAGNNNNCTAGCGTTAC		TGTGTATNNNNCTAGCGTTAC		CTGTACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2264	TGCAGGACCAGAGAATTCGAATACAT	2504	TGCAGGACCAGAGAATTCGAATACAG	2744
ATTTCAGNNNNCTAGCGTTAC		CCCACGNNNNCTAGCGTTAC		CTTACGANNNNCTAGCGTTAC	

FIG. 15C

Pool-10	SEQ ID NO.	Pool-11	SEQ ID NO.	Pool-12	SEQ ID NO.
TGCAGGACCAGAGAATTCGAATACAA	2265	TGCAGGACCAGAGAATTCGAATACAC	2505	TGCAGGACCAGAGAATTCGAATACAC	2745
ACCGTGTNNNCTAGCGTTAC		GCCTCTGNNNCTAGCGTTAC		CCACGGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2266	TGCAGGACCAGAGAATTCGAATACAC	2506	TGCAGGACCAGAGAATTCGAATACAT	2746
CCAATTGNNNCTAGCGTTAC		TATAACANNNCTAGCGTTAC		GGATCTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2267	TGCAGGACCAGAGAATTCGAATACAG	2507	TGCAGGACCAGAGAATTCGAATACAT	2747
TGGTGGTNNNCTAGCGTTAC		ACTGACTNNNCTAGCGTTAC		CCACGAANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2268	TGCAGGACCAGAGAATTCGAATACAC	2508	TGCAGGACCAGAGAATTCGAATACAT	2748
GCTTAGGNNNCTAGCGTTAC		TGGCCAGNNNCTAGCGTTAC		CAAGACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2269	TGCAGGACCAGAGAATTCGAATACAA	2509	TGCAGGACCAGAGAATTCGAATACAG	2749
CACCCCNNNCTAGCGTTAC		AGCCAAGNNNCTAGCGTTAC		GCAGACGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2270	TGCAGGACCAGAGAATTCGAATACAC	2510	TGCAGGACCAGAGAATTCGAATACAT	2750
CGTTAGGNNNCTAGCGTTAC		GCTTTTGNNNCTAGCGTTAC		TTTACGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2271	TGCAGGACCAGAGAATTCGAATACAT	2511	TGCAGGACCAGAGAATTCGAATACAG	2751
CTTAAACNNNCTAGCGTTAC		TTCCCTCINNCTAGCGTTAC		CGTTTGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2272	TGCAGGACCAGAGAATTCGAATACAC	2512	TGCAGGACCAGAGAATTCGAATACAA	2752
ATAGTACNNNCTAGCGTTAC		TTACTCGNNNCTAGCGTTAC		GGTACTCINNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2273	TGCAGGACCAGAGAATTCGAATACAA	2513	TGCAGGACCAGAGAATTCGAATACAT	2753
AGTGTACNNNCTAGCGTTAC		TCGAGTCNNNCTAGCGTTAC		TCTGTTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2274	TGCAGGACCAGAGAATTCGAATACAT	2514	TGCAGGACCAGAGAATTCGAATACAC	2754
CGTCTTTNNNCTAGCGTTAC		TGTACGGNNNCTAGCGTTAC		CGATGTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2275	TGCAGGACCAGAGAATTCGAATACAC	2515	TGCAGGACCAGAGAATTCGAATACAG	2755
GACTCAGNNNCTAGCGTTAC		ACCATTNNNCTAGCGTTAC		TCGGTTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2276	TGCAGGACCAGAGAATTCGAATACAC	2516	TGCAGGACCAGAGAATTCGAATACAC	2756
CITAGTANNNCTAGCGTTAC		CCTCTTTNNNCTAGCGTTAC		GAACCCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2277	TGCAGGACCAGAGAATTCGAATACAT	2517	TGCAGGACCAGAGAATTCGAATACAT	2757
AACATGANNNCTAGCGTTAC		GCATTAAANNNCTAGCGTTAC		TCGACTCINNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2278	TGCAGGACCAGAGAATTCGAATACAC	2518	TGCAGGACCAGAGAATTCGAATACAT	2758
TTAGGCTNNNCTAGCGTTAC		GTAGCGCINNCTAGCGTTAC		TCAGCCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	2279	TGCAGGACCAGAGAATTCGAATACAG	2519	TGCAGGACCAGAGAATTCGAATACAC	2759
CCGCGAGNNNCTAGCGTTAC		TCTCCTANNNCTAGCGTTAC		ACTTGAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2280	TGCAGGACCAGAGAATTCGAATACAT	2520	TGCAGGACCAGAGAATTCGAATACAT	2760
GTACATTNNNCTAGCGTTAC		GCGCCGANNNCTAGCGTTAC		CACGCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2281	TGCAGGACCAGAGAATTCGAATACAC	2521	TGCAGGACCAGAGAATTCGAATACAC	2761
GTGCTATNNNCTAGCGTTAC		AATGATTNNNCTAGCGTTAC		ACTGTAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2282	TGCAGGACCAGAGAATTCGAATACAA	2522	TGCAGGACCAGAGAATTCGAATACAA	2762
GACGACANNNCTAGCGTTAC		GCGAGGCNNNCTAGCGTTAC		CCAAGCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2283	TGCAGGACCAGAGAATTCGAATACAT	2523	TGCAGGACCAGAGAATTCGAATACAA	2763
AGTTCTANNNCTAGCGTTAC		TGAATACNNNCTAGCGTTAC		CTGCAACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	2284	TGCAGGACCAGAGAATTCGAATACAA	2524	TGCAGGACCAGAGAATTCGAATACAT	2764
CCGAACNNNCTAGCGTTAC		CCGCCAGNNNCTAGCGTTAC		AACGGTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2285	TGCAGGACCAGAGAATTCGAATACAG	2525	TGCAGGACCAGAGAATTCGAATACAA	2765
GCAATTCNNNCTAGCGTTAC		GCGACAGNNNCTAGCGTTAC		GTTTGTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2286	TGCAGGACCAGAGAATTCGAATACAA	2526	TGCAGGACCAGAGAATTCGAATACAC	2766
TCACACANNNCTAGCGTTAC		TATCCAANNNCTAGCGTTAC		ACGTTTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2287	TGCAGGACCAGAGAATTCGAATACAA	2527	TGCAGGACCAGAGAATTCGAATACAT	2767
GGAAATGNNNCTAGCGTTAC		TGTTGTANNNCTAGCGTTAC		TAAACCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	2288	TGCAGGACCAGAGAATTCGAATACAG	2528	TGCAGGACCAGAGAATTCGAATACAT	2768
TGTCTACNNNCTAGCGTTAC		ATTGTTANNNCTAGCGTTAC		TCGTAGGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	2289	TGCAGGACCAGAGAATTCGAATACAG	2529	TGCAGGACCAGAGAATTCGAATACAT	2769
AGCCAGGNNNGATCGACATG		TCCACGGNNNGATCGACATG		GCGTAGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAC	2290	TGCAGGACCAGAGAATTCGAATACAT	2530	TGCAGGACCAGAGAATTCGAATACAG	2770
ACTCCTANNNGATCGACATG		GACTGACNNNGATCGACATG		CTTTGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAC	2291	TGCAGGACCAGAGAATTCGAATACAT	2531	TGCAGGACCAGAGAATTCGAATACAG	2771
TTTCCCTNNNGATCGACATG		GATTTAGNNNGATCGACATG		TAAATAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAC	2292	TGCAGGACCAGAGAATTCGAATACAA	2532	TGCAGGACCAGAGAATTCGAATACAC	2772
TGAGCTANNNGATCGACATG		CATAGTANNNGATCGACATG		GCTGTCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAG	2293	TGCAGGACCAGAGAATTCGAATACAA	2533	TGCAGGACCAGAGAATTCGAATACAC	2773
CTTGACANNNGATCGACATG		GCATCCANNNGATCGACATG		TTAGAGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAC	2294	TGCAGGACCAGAGAATTCGAATACAA	2534	TGCAGGACCAGAGAATTCGAATACAG	2774
TGACGCGNNNGATCGACATG		CGGCCAANNNGATCGACATG		GACATAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAG	2295	TGCAGGACCAGAGAATTCGAATACAC	2535	TGCAGGACCAGAGAATTCGAATACAT	2775
TGATGGANNNGATCGACATG		TTTGCTGNNNGATCGACATG		CTACAGGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAG	2296	TGCAGGACCAGAGAATTCGAATACAT	2536	TGCAGGACCAGAGAATTCGAATACAC	2776
AATTCTANNNGATCGACATG		TAAGTACNNNGATCGACATG		AAACTCGNNNGATCGACATG	

FIG. 15D

Pool-10	SEQ ID NO.	Pool-11	SEQ ID NO.	Pool-12	SEQ ID NO.
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
GTGCATANNNGATCGACATG	2297	GTACTGANNNGATCGACATG	2537	CTATTCCNNNGATCGACATG	2777
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
GGCGTCGNNNGATCGACATG	2298	AGTATCANNNGATCGACATG	2538	TCCAGTANNNGATCGACATG	2778
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
CAGTGCNNNGATCGACATG	2299	CTGACAANNNGATCGACATG	2539	GCGAGACNNNGATCGACATG	2779
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
GCCCTCGNNNGATCGACATG	2300	GTGGCCANNNGATCGACATG	2540	TTCATACNNNGATCGACATG	2780
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
CCGTCCGNNNGATCGACATG	2301	CGTATACNNNGATCGACATG	2541	AGCTGTANNNGATCGACATG	2781
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
TCCTCCGNNNGATCGACATG	2302	CGCTCGANNNGATCGACATG	2542	CTGCTCTNNNGATCGACATG	2782
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
CTCCATTNNNGATCGACATG	2303	CCGTAGNNNGATCGACATG	2543	AAGTTCTNNNGATCGACATG	2783
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
ACTCCTTNNNGATCGACATG	2304	GTACTTTNNNGATCGACATG	2544	AATCGAGNNNGATCGACATG	2784
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
GTAACTANNNGATCGACATG	2305	ATTATGANNNGATCGACATG	2545	TCCCGCANNNGATCGACATG	2785
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
GAGTCTCGNNNGATCGACATG	2306	AGACCGCANNNGATCGACATG	2546	AAAACCTANNNGATCGACATG	2786
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
TTTCTAANNNGATCGACATG	2307	AGCAGCANNNGATCGACATG	2547	CCCTAAGNNNGATCGACATG	2787
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
SAGACCCNNNGATCGACATG	2308	GGAGTGANNGATCGACATG	2548	GTCATACNNNGATCGACATG	2788
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
TTTAGTCCNNNGATCGACATG	2309	GACGTGGNNNGATCGACATG	2549	GGTTGTGNNNGATCGACATG	2789
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
TGTGCTGNNNGATCGACATG	2310	CTTACACNNNGATCGACATG	2550	AGTTCGNNNGATCGACATG	2790
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
CCAGGTGNNNGATCGACATG	2311	GCCAGCCNNNGATCGACATG	2551	TCAATGTNNNGATCGACATG	2791
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
AACCAAGNNNGATCGACATG	2312	CTTACTGNNNGATCGACATG	2552	ATTGATANNNGATCGACATG	2792
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
CTGAGGCNNNGATCGACATG	2313	TACTCTANNNGATCGACATG	2553	GAGGAAANNNGATCGACATG	2793
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
TAAGCGGNNNGATCGACATG	2314	CGCCTACNNNGATCGACATG	2554	ATTTTACNNNGATCGACATG	2794
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
TTGTCTANNNGATCGACATG	2315	CTTAGAGNNNGATCGACATG	2555	AACCTCGNNNGATCGACATG	2795
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
GGCTTTGNNNGATCGACATG	2316	TCTATGTNNNGATCGACATG	2556	GTCACCCNNNGATCGACATG	2796
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
CTATTTTNNNGATCGACATG	2317	TTTACACNNNGATCGACATG	2557	CGTTAATNNNGATCGACATG	2797
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
GACACCCNNNGATCGACATG	2318	TGTTTTGNNNGATCGACATG	2558	GTGTGTNNNGATCGACATG	2798
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
GCTCAANNNGATCGACATG	2319	AAAGACGNNNGATCGACATG	2559	AAATAGTNNNGATCGACATG	2799
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
CGCATTANNNGATCGACATG	2320	CCTCCGNNNGATCGACATG	2560	TCTATTNNNGATCGACATG	2800
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
CTAAATGNNNGATCGACATG	2321	TTAACATNNNGATCGACATG	2561	AGTAGCCNNNGATCGACATG	2801
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
GCACTACNNNGATCGACATG	2322	GATGCGCNNNGATCGACATG	2562	TACAAAANNNGATCGACATG	2802
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
ATTCAGCANNNGATCGACATG	2323	CTCGAAANNNGATCGACATG	2563	GAGTACGNNNGATCGACATG	2803
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
TGCTCCGNNNGATCGACATG	2324	TGTCGACNNNGATCGACATG	2564	AGACTTANNNGATCGACATG	2804
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
CAGGATTNNNGATCGACATG	2325	AACAGCCNNNGATCGACATG	2565	GAGCAANNNGATCGACATG	2805
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
TGTCATANNNGATCGACATG	2326	CGCAGTCNNNGATCGACATG	2566	GCGTCGNNNGATCGACATG	2806
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
CAGGACANNNGATCGACATG	2327	TCATAACNNNGATCGACATG	2567	CTGGTCGNNNGATCGACATG	2807
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
CGTAAGTNNNGATCGACATG	2328	AGGTCTCNNNGATCGACATG	2568	GTCCACANNNGATCGACATG	2808

FIG. 15E

Pool-10	SEQ ID NO.	Pool-11	SEQ ID NO.	Pool-12	SEQ ID NO.
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
AAGAATCANNNGATCGACATG	2329	AAATACANNNGATCGACATG	2569	CCCTTAGNNNGATCGACATG	2809
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
AAGCCTANNNGATCGACATG	2330	CGTACTGNNNGATCGACATG	2570	CGGATGNNNGATCGACATG	2810
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
TAACATAANNNGATCGACATG	2331	TTAAGTCNNNGATCGACATG	2571	CTATATCANNNGATCGACATG	2811
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
GCGTAATNNNGATCGACATG	2332	GTGAAGNNNGATCGACATG	2572	GACCCCTANNNGATCGACATG	2812
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
AGGTCTTNNNGATCGACATG	2333	GTTAATTNNNGATCGACATG	2573	GCTGGTCNNNGATCGACATG	2813
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
ACGCTGNNNGATCGACATG	2334	GACAGGTNNNGATCGACATG	2574	ACGATGANNNGATCGACATG	2814
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
CTCAACANNNGATCGACATG	2335	CCAGTGGNNNGATCGACATG	2575	CCCATAAANNNGATCGACATG	2815
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
TGAGGAGNNNGATCGACATG	2336	CCAAGTNNNGATCGACATG	2576	CTTTCATNNNGATCGACATG	2816
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT	
CCAGAGNNNGATCGACATG	2337	GAGTATTNNNGATCGACATG	2577	CGACTTCNNNGATCGACATG	2817
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
AGGTGGCANNNGATCGACATG	2338	GTACGGTNNNGATCGACATG	2578	GCTACTTNNNGATCGACATG	2818
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
CCAAGCCNNNGATCGACATG	2339	GCGTCAGNNNGATCGACATG	2579	GAAACGNNNGATCGACATG	2819
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
TGCTGGCANNNGATCGACATG	2340	GGATGTTNNNGATCGACATG	2580	TATGGCCNNNGATCGACATG	2820
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
GTATGTGNNNGATCGACATG	2341	ACAAGGTNNNGATCGACATG	2581	CTATTAANNNGATCGACATG	2821
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
GCGTTTCNNNGATCGACATG	2342	TTAAAAANNNGATCGACATG	2582	GCCCCGNNNGATCGACATG	2822
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
AAATTTANNNGATCGACATG	2343	CGACCCGNNNGATCGACATG	2583	ACGCTGNNNGATCGACATG	2823
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
CGGACATNNNGATCGACATG	2344	CAAACCTANNNGATCGACATG	2584	CGAGCCNNNGATCGACATG	2824
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
AAACACTNNNGATCGACATG	2345	ACGCCGANNNGATCGACATG	2585	TCATCGCANNNGATCGACATG	2825
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
TAGGCCANNNGATCGACATG	2346	GATCAGTNNNGATCGACATG	2586	ATAAAAGNNNGATCGACATG	2826
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
GCCCTCCNNNGATCGACATG	2347	ACTTTGNNNGATCGACATG	2587	TCGCGCTNNNGATCGACATG	2827
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
GGAAAACNNNGATCGACATG	2348	CCTGATCNNNGATCGACATG	2588	ACATGTCNNNGATCGACATG	2828
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
GCCGGTTNNNTGCATCAGGT	2349	AACTCCANNNTGCATCAGGT	2589	TCACCCGNNNTGCATCAGGT	2829
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
AGGCTACNNNTGCATCAGGT	2350	GTCAATCNNNTGCATCAGGT	2590	ACGTCTNNNTGCATCAGGT	2830
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
CACCTGTNNNTGCATCAGGT	2351	ATGCAGCNNNTGCATCAGGT	2591	CTGCGTANNNTGCATCAGGT	2831
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
ATAGAGCNNNTGCATCAGGT	2352	CACCTCCNNNTGCATCAGGT	2592	AAATTATNNNTGCATCAGGT	2832
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT	
TTCCAGTNNNTGCATCAGGT	2353	CAAGTGCNNNTGCATCAGGT	2593	AGTCTAANNNTGCATCAGGT	2833
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
TCATCAGNNNTGCATCAGGT	2354	TGCCGTTNNNTGCATCAGGT	2594	AAACTATNNNTGCATCAGGT	2834
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
TTCCGAGNNNTGCATCAGGT	2355	TGGAGTANNNTGCATCAGGT	2595	CACCTGTCNNNTGCATCAGGT	2835
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
TCAGGATNNNTGCATCAGGT	2356	CCTCACNNNTGCATCAGGT	2596	ACAAATGNNNTGCATCAGGT	2836
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
CTATCCANNNTGCATCAGGT	2357	CACACANNNTGCATCAGGT	2597	TTTCTTNNNTGCATCAGGT	2837
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
AATGCTGNNNTGCATCAGGT	2358	CCCCATTNNNTGCATCAGGT	2598	TTCACTCANNNTGCATCAGGT	2838
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
GGTGAANNNTGCATCAGGT	2359	TAGTCTANNNTGCATCAGGT	2599	GGTCTGNNNTGCATCAGGT	2839
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
TTGCAACNNNTGCATCAGGT	2360	AATGTCCNNNTGCATCAGGT	2600	CAAACGNNNTGCATCAGGT	2840

FIG. 15F

Pool-10	SEQ ID NO.	Pool-11	SEQ ID NO.	Pool-12	SEQ ID NO.
TGCAGGACCAGAGAATTCTGAATACAGAGAGCTANNNTGCATCAGGT	2361	TGCAGGACCAGAGAATTCTGAATACAGTAGATCGNNNTGCATCAGGT	2601	TGCAGGACCAGAGAATTCTGAATACACCGAGAGGNNNTGCATCAGGT	2841
TGCAGGACCAGAGAATTCTGAATACAGCCTAACANNNTGCATCAGGT	2362	TGCAGGACCAGAGAATTCTGAATACAGGCAACCCNNNTGCATCAGGT	2602	TGCAGGACCAGAGAATTCTGAATACAAATATGANNNTGCATCAGGT	2842
TGCAGGACCAGAGAATTCTGAATACACTGAGACTNNNTGCATCAGGT	2363	TGCAGGACCAGAGAATTCTGAATACAGGAGAGAANNNTGCATCAGGT	2603	TGCAGGACCAGAGAATTCTGAATACATCTCTGGTNNNTGCATCAGGT	2843
TGCAGGACCAGAGAATTCTGAATACAACTGTGCANNNTGCATCAGGT	2364	TGCAGGACCAGAGAATTCTGAATACAGTTGTCTNNNTGCATCAGGT	2604	TGCAGGACCAGAGAATTCTGAATACAAITGGAGGNNNTGCATCAGGT	2844
TGCAGGACCAGAGAATTCTGAATACAGGAAGCTANNNTGCATCAGGT	2365	TGCAGGACCAGAGAATTCTGAATACATGGCATACNNNTGCATCAGGT	2605	TGCAGGACCAGAGAATTCTGAATACACATCATTTNNNTGCATCAGGT	2845
TGCAGGACCAGAGAATTCTGAATACACCTGTATNNNTGCATCAGGT	2366	TGCAGGACCAGAGAATTCTGAATACAGAGGCAATNNNTGCATCAGGT	2606	TGCAGGACCAGAGAATTCTGAATACAGAGGTGATNNNTGCATCAGGT	2846
TGCAGGACCAGAGAATTCTGAATACATAGCCTCTNNNTGCATCAGGT	2367	TGCAGGACCAGAGAATTCTGAATACATCTCAGCTNNNTGCATCAGGT	2607	TGCAGGACCAGAGAATTCTGAATACACCCCGTCANNNTGCATCAGGT	2847
TGCAGGACCAGAGAATTCTGAATACAAAGTACCTNNNTGCATCAGGT	2368	TGCAGGACCAGAGAATTCTGAATACACTGCGGCANNNTGCATCAGGT	2608	TGCAGGACCAGAGAATTCTGAATACAGACAGGTANNNTGCATCAGGT	2848
TGCAGGACCAGAGAATTCTGAATACATGTTATCTNNNTGCATCAGGT	2369	TGCAGGACCAGAGAATTCTGAATACACTTAATGANNNTGCATCAGGT	2609	TGCAGGACCAGAGAATTCTGAATACAGCCTTAGANNNTGCATCAGGT	2849
TGCAGGACCAGAGAATTCTGAATACAGACTTACGNNNTGCATCAGGT	2370	TGCAGGACCAGAGAATTCTGAATACAAACTCACGNNNTGCATCAGGT	2610	TGCAGGACCAGAGAATTCTGAATACACCTTCTAGNNNTGCATCAGGT	2850
TGCAGGACCAGAGAATTCTGAATACAACTTCCACNNNTGCATCAGGT	2371	TGCAGGACCAGAGAATTCTGAATACAAAGCAGTGANNNTGCATCAGGT	2611	TGCAGGACCAGAGAATTCTGAATACAAAGCCTTGTNNNTGCATCAGGT	2851
TGCAGGACCAGAGAATTCTGAATACACCTTCTGANNNTGCATCAGGT	2372	TGCAGGACCAGAGAATTCTGAATACATAATACTGNNNTGCATCAGGT	2612	TGCAGGACCAGAGAATTCTGAATACATGGAGTTCNNNTGCATCAGGT	2852
TGCAGGACCAGAGAATTCTGAATACAGGACACTANNNTGCATCAGGT	2373	TGCAGGACCAGAGAATTCTGAATACAAAGTCCCNNNTGCATCAGGT	2613	TGCAGGACCAGAGAATTCTGAATACACCACCGAGNNNTGCATCAGGT	2853
TGCAGGACCAGAGAATTCTGAATACACTGTGAGTNNNTGCATCAGGT	2374	TGCAGGACCAGAGAATTCTGAATACAGCTGGAAANNNTGCATCAGGT	2614	TGCAGGACCAGAGAATTCTGAATACAGGAATGCAANNNTGCATCAGGT	2854
TGCAGGACCAGAGAATTCTGAATACAAAGACACANNNTGCATCAGGT	2375	TGCAGGACCAGAGAATTCTGAATACAAAGAGGAGNNNTGCATCAGGT	2615	TGCAGGACCAGAGAATTCTGAATACAAATTACANNNTGCATCAGGT	2855
TGCAGGACCAGAGAATTCTGAATACATAATTGTGNNNTGCATCAGGT	2376	TGCAGGACCAGAGAATTCTGAATACAGTGGAGTNNNTGCATCAGGT	2616	TGCAGGACCAGAGAATTCTGAATACAAATGCTCTNNNTGCATCAGGT	2856
TGCAGGACCAGAGAATTCTGAATACAGTAATTTGNNNTGCATCAGGT	2377	TGCAGGACCAGAGAATTCTGAATACAGCGCGACTNNNTGCATCAGGT	2617	TGCAGGACCAGAGAATTCTGAATACATAGTGCCANNNTGCATCAGGT	2857
TGCAGGACCAGAGAATTCTGAATACAGATACTATNNNTGCATCAGGT	2378	TGCAGGACCAGAGAATTCTGAATACATACTTGTNNNTGCATCAGGT	2618	TGCAGGACCAGAGAATTCTGAATACAGCAATGCTNNNTGCATCAGGT	2858
TGCAGGACCAGAGAATTCTGAATACAAAGTGGATGNNNTGCATCAGGT	2379	TGCAGGACCAGAGAATTCTGAATACAAACTGACCCNNNTGCATCAGGT	2619	TGCAGGACCAGAGAATTCTGAATACAGTTGAATNNNTGCATCAGGT	2859
TGCAGGACCAGAGAATTCTGAATACATATATAGACNNNTGCATCAGGT	2380	TGCAGGACCAGAGAATTCTGAATACATGCTGGTANNNTGCATCAGGT	2620	TGCAGGACCAGAGAATTCTGAATACACCACTTTCANNNTGCATCAGGT	2860
TGCAGGACCAGAGAATTCTGAATACAGAGTTTCGNNNTGCATCAGGT	2381	TGCAGGACCAGAGAATTCTGAATACAAATATTTTNNNTGCATCAGGT	2621	TGCAGGACCAGAGAATTCTGAATACATCCATTCGNNNTGCATCAGGT	2861
TGCAGGACCAGAGAATTCTGAATACACAGAGATGNNNTGCATCAGGT	2382	TGCAGGACCAGAGAATTCTGAATACATCCCCATANNNTGCATCAGGT	2622	TGCAGGACCAGAGAATTCTGAATACACACTCTCANNNTGCATCAGGT	2862
TGCAGGACCAGAGAATTCTGAATACAGACTCAACNNNTGCATCAGGT	2383	TGCAGGACCAGAGAATTCTGAATACACAAGTGTGNNNTGCATCAGGT	2623	TGCAGGACCAGAGAATTCTGAATACAGACCTGATNNNTGCATCAGGT	2863
TGCAGGACCAGAGAATTCTGAATACATTCGCTGTNNNTGCATCAGGT	2384	TGCAGGACCAGAGAATTCTGAATACATGAACCGTNNNTGCATCAGGT	2624	TGCAGGACCAGAGAATTCTGAATACAAAGAGCTCTNNNTGCATCAGGT	2864
TGCAGGACCAGAGAATTCTGAATACAGGTCCGAGNNNTGCATCAGGT	2385	TGCAGGACCAGAGAATTCTGAATACAGGCATTGANNNTGCATCAGGT	2625	TGCAGGACCAGAGAATTCTGAATACAGTGGATTGNNNTGCATCAGGT	2865
TGCAGGACCAGAGAATTCTGAATACAGCATGTCATNNNTGCATCAGGT	2386	TGCAGGACCAGAGAATTCTGAATACAGGGCGTTGNNNTGCATCAGGT	2626	TGCAGGACCAGAGAATTCTGAATACATGCTATCCNNNTGCATCAGGT	2866
TGCAGGACCAGAGAATTCTGAATACAAAGTGGCGNNNTGCATCAGGT	2387	TGCAGGACCAGAGAATTCTGAATACACCCGCCGNNNTGCATCAGGT	2627	TGCAGGACCAGAGAATTCTGAATACAGACGTTGTNNNTGCATCAGGT	2867
TGCAGGACCAGAGAATTCTGAATACAGAAAGCACNNNTGCATCAGGT	2388	TGCAGGACCAGAGAATTCTGAATACAGAAAGCTACNNNTGCATCAGGT	2628	TGCAGGACCAGAGAATTCTGAATACAAATTCATCTNNNTGCATCAGGT	2868
TGCAGGACCAGAGAATTCTGAATACAGGCTGCTGNNNTGCATCAGGT	2389	TGCAGGACCAGAGAATTCTGAATACAGGGTTCAANNNTGCATCAGGT	2629	TGCAGGACCAGAGAATTCTGAATACAGGATTCGANNNTGCATCAGGT	2869
TGCAGGACCAGAGAATTCTGAATACAGCGGAAGCANNNTGCATCAGGT	2390	TGCAGGACCAGAGAATTCTGAATACAGAACGTTGNNNTGCATCAGGT	2630	TGCAGGACCAGAGAATTCTGAATACATGGTGCATNNNTGCATCAGGT	2870
TGCAGGACCAGAGAATTCTGAATACAAATCATANNNTGCATCAGGT	2391	TGCAGGACCAGAGAATTCTGAATACAGTACTAGCNNNTGCATCAGGT	2631	TGCAGGACCAGAGAATTCTGAATACATGTGTTTNNNTGCATCAGGT	2871
TGCAGGACCAGAGAATTCTGAATACAACTCTCTGNNNTGCATCAGGT	2392	TGCAGGACCAGAGAATTCTGAATACATGAGTGTGNNNTGCATCAGGT	2632	TGCAGGACCAGAGAATTCTGAATACATGGCATCANNNTGCATCAGGT	2872

FIG. 15G

Pool-10	SEQ ID NO.	Pool-11	SEQ ID NO.	Pool-12	SEQ ID NO.
TGCAGGACCAGAGAATTCTGAATACACGCCCCGNNNTGCATCAGGT	2393	TGCAGGACCAGAGAATTCTGAATACACAAACAGGNNNTGCATCAGGT	2633	TGCAGGACCAGAGAATTCTGAATACATAAGCTGCNNNTGCATCAGGT	2873
TGCAGGACCAGAGAATTCTGAATACATTTAATCCNNNTGCATCAGGT	2394	TGCAGGACCAGAGAATTCTGAATACAGCATGCTANNNTGCATCAGGT	2634	TGCAGGACCAGAGAATTCTGAATACAA CGGACTNNNTGCATCAGGT	2874
TGCAGGACCAGAGAATTCTGAATACACCGTCGGANNNTGCATCAGGT	2395	TGCAGGACCAGAGAATTCTGAATACAGATTACGNNNTGCATCAGGT	2635	TGCAGGACCAGAGAATTCTGAATACATGAATTACNNNTGCATCAGGT	2875
TGCAGGACCAGAGAATTCTGAATACATGAGAAATNNNTGCATCAGGT	2396	TGCAGGACCAGAGAATTCTGAATACAGTAGATCCNNNTGCATCAGGT	2636	TGCAGGACCAGAGAATTCTGAATACAAACAGAGCNNNTGCATCAGGT	2876
TGCAGGACCAGAGAATTCTGAATACACGTATAANNNTGCATCAGGT	2397	TGCAGGACCAGAGAATTCTGAATACACGCCACGNNNTGCATCAGGT	2637	TGCAGGACCAGAGAATTCTGAATACACATGTTCCNNNTGCATCAGGT	2877
TGCAGGACCAGAGAATTCTGAATACATCTAAACNNNTGCATCAGGT	2398	TGCAGGACCAGAGAATTCTGAATACAGAGCATAGNNNTGCATCAGGT	2638	TGCAGGACCAGAGAATTCTGAATACATCGTCTACNNNTGCATCAGGT	2878
TGCAGGACCAGAGAATTCTGAATACAACTCTCGANNNTGCATCAGGT	2399	TGCAGGACCAGAGAATTCTGAATACAGGTGTCATNNNTGCATCAGGT	2639	TGCAGGACCAGAGAATTCTGAATACAGTAGAGACNNNTGCATCAGGT	2879
TGCAGGACCAGAGAATTCTGAATACAGCATCGTANNNTGCATCAGGT	2400	TGCAGGACCAGAGAATTCTGAATACATCTTCGACNNNTGCATCAGGT	2640	TGCAGGACCAGAGAATTCTGAATACATATAGTGTNNNTGCATCAGGT	2880
TGCAGGACCAGAGAATTCTGAATACAGTAAGACGNNNTGCATCAGGT	2401	TGCAGGACCAGAGAATTCTGAATACAGATCAGCTNNNTGCATCAGGT	2641	TGCAGGACCAGAGAATTCTGAATACAGGAGAGTTNNNTGCATCAGGT	2881
TGCAGGACCAGAGAATTCTGAATACAAAGCCCTNNNTGCATCAGGT	2402	TGCAGGACCAGAGAATTCTGAATACATCGACCTNNNTGCATCAGGT	2642	TGCAGGACCAGAGAATTCTGAATACATACATTCNNNTGCATCAGGT	2882
TGCAGGACCAGAGAATTCTGAATACACCATGGTANNNTGCATCAGGT	2403	TGCAGGACCAGAGAATTCTGAATACAA GCCACGNNNTGCATCAGGT	2643	TGCAGGACCAGAGAATTCTGAATACACACAATGCNNNTGCATCAGGT	2883
TGCAGGACCAGAGAATTCTGAATACACGAAATAANNNTGCATCAGGT	2404	TGCAGGACCAGAGAATTCTGAATACAGAGATCTCNNNTGCATCAGGT	2644	TGCAGGACCAGAGAATTCTGAATACAGATATTACNNNTGCATCAGGT	2884
TGCAGGACCAGAGAATTCTGAATACAGATCAAAANNNTGCATCAGGT	2405	TGCAGGACCAGAGAATTCTGAATACATCTTTAACNNNTGCATCAGGT	2645	TGCAGGACCAGAGAATTCTGAATACACGGCTTTNNNTGCATCAGGT	2885
TGCAGGACCAGAGAATTCTGAATACAA GTGCCGNNNTGCATCAGGT	2406	TGCAGGACCAGAGAATTCTGAATACATCCCTAACNNNTGCATCAGGT	2646	TGCAGGACCAGAGAATTCTGAATACAGCTGCTGNNNTGCATCAGGT	2886
TGCAGGACCAGAGAATTCTGAATACACCTGGCTNNNTGCATCAGGT	2407	TGCAGGACCAGAGAATTCTGAATACAACTCGACANNNTGCATCAGGT	2647	TGCAGGACCAGAGAATTCTGAATACAAAGGCGCNNNTGCATCAGGT	2887
TGCAGGACCAGAGAATTCTGAATACACAAGTTCGNNNTGCATCAGGT	2408	TGCAGGACCAGAGAATTCTGAATACATGAGAGACNNNTGCATCAGGT	2648	TGCAGGACCAGAGAATTCTGAATACAA CGGTGAANNNTGCATCAGGT	2888

FIG. 16A

Pool-13	SEQ ID NO.	Pool-14	SEQ ID NO.	Pool-15	SEQ ID NO.
TGCAGGACCAGAGAATTGGAATACAC	2889	TGCAGGACCAGAGAATTGGAATACAC	3129	TGCAGGACCAGAGAATTGGAATACAG	3369
CACGGACNNNACGTATGCCA		ATGCGTANNNNACGTATGCCA		TGTGATCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2890	TGCAGGACCAGAGAATTGGAATACAT	3130	TGCAGGACCAGAGAATTGGAATACAA	3370
ATCCTCCNNNACGTATGCCA		CGTGCGGNNNACGTATGCCA		AAGCGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAG	2891	TGCAGGACCAGAGAATTGGAATACAG	3131	TGCAGGACCAGAGAATTGGAATACAT	3371
TGGCCGTNNNACGTATGCCA		TAGTGGANNNACGTATGCCA		CGTGGATNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2892	TGCAGGACCAGAGAATTGGAATACAG	3132	TGCAGGACCAGAGAATTGGAATACAT	3372
GAGTAGCNNNACGTATGCCA		TTGTTGGNNNACGTATGCCA		CACCGAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2893	TGCAGGACCAGAGAATTGGAATACAA	3133	TGCAGGACCAGAGAATTGGAATACAG	3373
CCTGCGCNNNACGTATGCCA		GAGCTTCNNNACGTATGCCA		CCGTTGGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2894	TGCAGGACCAGAGAATTGGAATACAG	3134	TGCAGGACCAGAGAATTGGAATACAA	3374
TCTCGTGNNNACGTATGCCA		TACTGTGNNNACGTATGCCA		CACGGTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2895	TGCAGGACCAGAGAATTGGAATACAA	3135	TGCAGGACCAGAGAATTGGAATACAG	3375
GGTATGCNNNACGTATGCCA		GCAACCTNNNACGTATGCCA		CTCAGGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2896	TGCAGGACCAGAGAATTGGAATACAG	3136	TGCAGGACCAGAGAATTGGAATACAC	3376
TCCTCCNNNACGTATGCCA		CCCTGCTNNNACGTATGCCA		AATCGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2897	TGCAGGACCAGAGAATTGGAATACAC	3137	TGCAGGACCAGAGAATTGGAATACAT	3377
ACAAGGCNNNACGTATGCCA		TCTCGCGNNNACGTATGCCA		AATATATNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAC	2898	TGCAGGACCAGAGAATTGGAATACAC	3138	TGCAGGACCAGAGAATTGGAATACAC	3378
CGTCTTANNNACGTATGCCA		TACTTGCNNNACGTATGCCA		ATTACCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2899	TGCAGGACCAGAGAATTGGAATACAA	3139	TGCAGGACCAGAGAATTGGAATACAG	3379
AAAATTANNNACGTATGCCA		TAATGAGNNNACGTATGCCA		ACTACTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2900	TGCAGGACCAGAGAATTGGAATACAC	3140	TGCAGGACCAGAGAATTGGAATACAG	3380
CACAGAGNNNACGTATGCCA		CGTAGTANNNACGTATGCCA		TGCACGCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAG	2901	TGCAGGACCAGAGAATTGGAATACAA	3141	TGCAGGACCAGAGAATTGGAATACAG	3381
GTGCGCTNNNACGTATGCCA		GCAACAGNNNACGTATGCCA		GCTATTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAC	2902	TGCAGGACCAGAGAATTGGAATACAC	3142	TGCAGGACCAGAGAATTGGAATACAG	3382
TGCACGCNNNACGTATGCCA		TGTGTCTNNNACGTATGCCA		GTGGTGGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAG	2903	TGCAGGACCAGAGAATTGGAATACAT	3143	TGCAGGACCAGAGAATTGGAATACAT	3383
ACCCCTNNNACGTATGCCA		CCAACGNNNACGTATGCCA		GGGTACANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2904	TGCAGGACCAGAGAATTGGAATACAT	3144	TGCAGGACCAGAGAATTGGAATACAA	3384
CATTGANNNACGTATGCCA		GTCAAGCANNNACGTATGCCA		TTCTTCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAG	2905	TGCAGGACCAGAGAATTGGAATACAA	3145	TGCAGGACCAGAGAATTGGAATACAT	3385
GTGGCAGNNNACGTATGCCA		GTGTCAACNNNACGTATGCCA		CTGGTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAG	2906	TGCAGGACCAGAGAATTGGAATACAC	3146	TGCAGGACCAGAGAATTGGAATACAG	3386
AGGCCAGNNNACGTATGCCA		CTCAAGANNNACGTATGCCA		CGAGCCCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2907	TGCAGGACCAGAGAATTGGAATACAG	3147	TGCAGGACCAGAGAATTGGAATACAA	3387
CTCGAGTNNNACGTATGCCA		TGAAGCANNNACGTATGCCA		GCCGTGCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAC	2908	TGCAGGACCAGAGAATTGGAATACAT	3148	TGCAGGACCAGAGAATTGGAATACAG	3388
CAAAAGGNNNACGTATGCCA		TGCGCCNNNACGTATGCCA		ATAACCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2909	TGCAGGACCAGAGAATTGGAATACAG	3149	TGCAGGACCAGAGAATTGGAATACAC	3389
AGCAACGNNNACGTATGCCA		TATTGCGNNNACGTATGCCA		GGAACCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAC	2910	TGCAGGACCAGAGAATTGGAATACAA	3150	TGCAGGACCAGAGAATTGGAATACAG	3390
GCTTTGNNNACGTATGCCA		CAAATAGNNNACGTATGCCA		TCCAGCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2911	TGCAGGACCAGAGAATTGGAATACAC	3151	TGCAGGACCAGAGAATTGGAATACAC	3391
GGATGCTNNNACGTATGCCA		TACGCGGNNNACGTATGCCA		GTGAGCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2912	TGCAGGACCAGAGAATTGGAATACAT	3152	TGCAGGACCAGAGAATTGGAATACAT	3392
CAATGGCNNNACGTATGCCA		GTATACANNNACGTATGCCA		CGGCCAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2913	TGCAGGACCAGAGAATTGGAATACAA	3153	TGCAGGACCAGAGAATTGGAATACAC	3393
ACTACTANNNACGTATGCCA		GACCTACNNNACGTATGCCA		CGCCAAAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2914	TGCAGGACCAGAGAATTGGAATACAT	3154	TGCAGGACCAGAGAATTGGAATACAG	3394
TGCGATGNNNACGTATGCCA		TCCCATGNNNACGTATGCCA		GCTGTTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAG	2915	TGCAGGACCAGAGAATTGGAATACAT	3155	TGCAGGACCAGAGAATTGGAATACAT	3395
AGATACGNNNACGTATGCCA		AGCCCTTNNNACGTATGCCA		GAAAATGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2916	TGCAGGACCAGAGAATTGGAATACAG	3156	TGCAGGACCAGAGAATTGGAATACAC	3396
CCTTTTTNNNACGTATGCCA		GTTTACANNNACGTATGCCA		TTCTATANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAG	2917	TGCAGGACCAGAGAATTGGAATACAG	3157	TGCAGGACCAGAGAATTGGAATACAT	3397
TTAGCGTNNNACGTATGCCA		ACGTTTGNNNACGTATGCCA		CCCCGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAG	2918	TGCAGGACCAGAGAATTGGAATACAT	3158	TGCAGGACCAGAGAATTGGAATACAT	3398
CGGCGCCNNNACGTATGCCA		GTTGATANNNACGTATGCCA		GTCTACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAA	2919	TGCAGGACCAGAGAATTGGAATACAA	3159	TGCAGGACCAGAGAATTGGAATACAT	3399
TGCTCTCNNNACGTATGCCA		GTATTACNNNACGTATGCCA		GTAGTTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2920	TGCAGGACCAGAGAATTGGAATACAG	3160	TGCAGGACCAGAGAATTGGAATACAT	3400
TATCTACNNNACGTATGCCA		AGAACACNNNACGTATGCCA		GGTTTAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATACAT	2921	TGCAGGACCAGAGAATTGGAATACAC	3161	TGCAGGACCAGAGAATTGGAATACAG	3401
TCTATTGNNNACGTATGCCA		CTAAATANNNACGTATGCCA		AGACGGCANNNACGTATGCCA	

FIG. 16B

Pool-13	SEQ ID NO.	Pool-14	SEQ ID NO.	Pool-15	SEQ ID NO.
TGCAGGACCAGAGAATTGGAATACAC	2922	TGCAGGACCAGAGAATTGGAATACAA	3162	TGCAGGACCAGAGAATTGGAATACAC	3402
CAGTACANNNACGTATGCCA	2923	TTTCACTNNNACGTATGCCA	3163	GTGAGCANNNACGTATGCCA	3403
TGCAGGACCAGAGAATTGGAATACAA	2924	TGCAGGACCAGAGAATTGGAATACAG	3164	TGCAGGACCAGAGAATTGGAATACAC	3404
CAGAATANNNACGTATGCCA	2925	TCAACGTNNNACGTATGCCA	3165	AACAGTCNNNACGTATGCCA	3405
TGCAGGACCAGAGAATTGGAATACAG	2926	TGCAGGACCAGAGAATTGGAATACAG	3166	TGCAGGACCAGAGAATTGGAATACAT	3406
TATATACNNNACGTATGCCA	2927	CGTGTGNNNACGTATGCCA	3167	GTTGCGANNNACGTATGCCA	3407
TGCAGGACCAGAGAATTGGAATACAT	2928	TGCAGGACCAGAGAATTGGAATACAA	3168	TGCAGGACCAGAGAATTGGAATACAC	3408
ATTACGNNNACGTATGCCA	2929	AACCCACNNNACGTATGCCA	3169	GTATTTNNNACGTATGCCA	3409
TGCAGGACCAGAGAATTGGAATACAG	2930	TGCAGGACCAGAGAATTGGAATACAC	3170	TGCAGGACCAGAGAATTGGAATACAG	3410
GTTAGAGNNNACGTATGCCA	2931	CCCTGTGNNNACGTATGCCA	3171	TACGTCANNNACGTATGCCA	3411
TGCAGGACCAGAGAATTGGAATACAC	2932	TGCAGGACCAGAGAATTGGAATACAA	3172	TGCAGGACCAGAGAATTGGAATACAC	3412
TAGGATCANNNACGTATGCCA	2933	GTAGCCTNNNACGTATGCCA	3173	GTGAGGACCAGAGAATTGGAATACAC	3413
ACTAGGANNNACGTATGCCA	2934	TCCATGNNNACGTATGCCA	3174	CTAGCGNNNACGTATGCCA	3414
TGCAGGACCAGAGAATTGGAATACAA	2935	TGCAGGACCAGAGAATTGGAATACAC	3175	GAGCCGNNNACGTATGCCA	3415
CTTATCTNNNACGTATGCCA	2936	GCATCTNNNACGTATGCCA	3176	TGCAGGACCAGAGAATTGGAATACAG	3416
TGCAGGACCAGAGAATTGGAATACAG	2937	GAATCCNNNACGTATGCCA	3177	GCGCCCCNNNACGTATGCCA	3417
ACGTCCGNNNACGTATGCCA	2938	TGCAGGACCAGAGAATTGGAATACAA	3178	AGCATGTNNNACGTATGCCA	3418
TGCAGGACCAGAGAATTGGAATACAA	2939	TGCAGGACCAGAGAATTGGAATACAC	3179	TGCAGGACCAGAGAATTGGAATACAA	3419
TGCAGGACCAGAGAATTGGAATACAT	2940	GATACCTNNNACGTATGCCA	3180	GCTTAATNNNACGTATGCCA	3420
GCAATCGNNNACGTATGCCA	2941	TGCAGGACCAGAGAATTGGAATACAG	3181	TGCAGGACCAGAGAATTGGAATACAC	3421
TGCAGGACCAGAGAATTGGAATACAT	2942	AAACCAGNNNACGTATGCCA	3182	TCACCCGNNNACGTATGCCA	3422
TATGGATNNNACGTATGCCA	2943	TGCAGGACCAGAGAATTGGAATACAG	3183	TGCAGGACCAGAGAATTGGAATACAT	3423
TGCAGGACCAGAGAATTGGAATACAA	2944	ACTGTTNNNACGTATGCCA	3184	CGGACGNNNACGTATGCCA	3424
CATCGTGNNNACGTATGCCA	2945	TGCAGGACCAGAGAATTGGAATACAG	3185	ACTGCGTNNNACGTATGCCA	3425
TGCAGGACCAGAGAATTGGAATACAA	2946	TGGAGGCNNNACGTATGCCA	3186	TGCAGGACCAGAGAATTGGAATACAG	3426
AAGTAGTNNNACGTATGCCA	2947	GTATCGCNNNACGTATGCCA	3187	CCGCATGNNNACGTATGCCA	3427
TGCAGGACCAGAGAATTGGAATACAT	2948	TGCAGGACCAGAGAATTGGAATACAA	3188	GGAGTAGNNNACGTATGCCA	3428
AATAACNNNACGTATGCCA	2949	CGAGATCANNNACGTATGCCA	3189	TGTATTTNNNACGTATGCCA	3429
TGCAGGACCAGAGAATTGGAATACAA	2950	GGTAGTTNNNACGTATGCCA	3190	TGCAGGACCAGAGAATTGGAATACAC	3430
TTCTCATNNNACGTATGCCA	2951	TGCAGGACCAGAGAATTGGAATACAG	3191	GTGAGTANNNACGTATGCCA	3431
TGCAGGACCAGAGAATTGGAATACAA	2952	CGTATCTNNNACGTATGCCA	3192	TGCAGGACCAGAGAATTGGAATACAC	3432
TGCAGGACCAGAGAATTGGAATACAT	2953	TGCAGGACCAGAGAATTGGAATACAG	3193	ATGGCAANNNACGTATGCCA	3433
TGCAGGACCAGAGAATTGGAATACAA	2954	CCTATGANNNACGTATGCCA	3194	TGCAGGACCAGAGAATTGGAATACAT	3434
TGCAGGACCAGAGAATTGGAATACAT		GTGAGTANNNACGTATGCCA		AGGTGGANNNACGTATGCCA	
GACTTAANNNCTAGCGTTAC		GTGAGTANNNACGTATGCCA		TGCAGGACCAGAGAATTGGAATACAG	
		GTGAGTANNNACGTATGCCA		ATGACTCANNNACGTATGCCA	
		GTGAGTANNNACGTATGCCA		TGCAGGACCAGAGAATTGGAATACAG	
		GTGAGTANNNACGTATGCCA		CTCTGTTNNNACGTATGCCA	
		GTGAGTANNNACGTATGCCA		TGCAGGACCAGAGAATTGGAATACAA	
		GTGAGTANNNACGTATGCCA		CGCACTNNNACGTATGCCA	
		GTGAGTANNNACGTATGCCA		GAAATGCTNNNCTAGCGTTAC	
		GTGAGTANNNACGTATGCCA		TGCAGGACCAGAGAATTGGAATACAA	
		GTGAGTANNNACGTATGCCA		GCCAATCANNNCTAGCGTTAC	
		GTGAGTANNNACGTATGCCA		CAGTTTGNNNCTAGCGTTAC	
		GTGAGTANNNACGTATGCCA		TGCAGGACCAGAGAATTGGAATACAG	
		GTGAGTANNNACGTATGCCA		GCAATGTNNNCTAGCGTTAC	
		GTGAGTANNNACGTATGCCA		TGCAGGACCAGAGAATTGGAATACAT	
		GTGAGTANNNACGTATGCCA		GCAGTGTNNNCTAGCGTTAC	
		GTGAGTANNNACGTATGCCA		TGCAGGACCAGAGAATTGGAATACAA	
		GTGAGTANNNACGTATGCCA		GTCCATGNNNCTAGCGTTAC	

FIG. 16C

Pool-13	SEQ ID NO.	Pool-14	SEQ ID NO.	Pool-15	SEQ ID NO.
TGCAGGACCAGAGAATTGGAATACAT	2955	TGCAGGACCAGAGAATTGGAATACAA	3195	TGCAGGACCAGAGAATTGGAATACAC	3435
GAGAATANNNNCTAGCGTTAC		TCCACGANNNNCTAGCGTTAC		TATTTCATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAC	2956	TGCAGGACCAGAGAATTGGAATACAT	3196	TGCAGGACCAGAGAATTGGAATACAG	3436
TTTTTCTNNNNCTAGCGTTAC		ATGCATANNNNCTAGCGTTAC		TCGTTCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAG	2957	TGCAGGACCAGAGAATTGGAATACAG	3197	TGCAGGACCAGAGAATTGGAATACAC	3437
TCGCAATNNNNCTAGCGTTAC		AGAAATNNNNCTAGCGTTAC		GTTGTAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAA	2958	TGCAGGACCAGAGAATTGGAATACAC	3198	TGCAGGACCAGAGAATTGGAATACAG	3438
TCATCCNNNNCTAGCGTTAC		CTCAATCNNNNCTAGCGTTAC		ACAGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAA	2959	TGCAGGACCAGAGAATTGGAATACAC	3199	TGCAGGACCAGAGAATTGGAATACAT	3439
GATATGANNNNCTAGCGTTAC		AAAACAANNNNCTAGCGTTAC		ACACCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2960	TGCAGGACCAGAGAATTGGAATACAG	3200	TGCAGGACCAGAGAATTGGAATACAC	3440
AGCTACGNNNNCTAGCGTTAC		TGATGTCNNNNCTAGCGTTAC		GTTAAGCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2961	TGCAGGACCAGAGAATTGGAATACAT	3201	TGCAGGACCAGAGAATTGGAATACAA	3441
TACAGGCNNNNCTAGCGTTAC		GCCGTAANNNNCTAGCGTTAC		TCGCCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAG	2962	TGCAGGACCAGAGAATTGGAATACAA	3202	TGCAGGACCAGAGAATTGGAATACAG	3442
ACTACACNNNNCTAGCGTTAC		GCTCTAGNNNNCTAGCGTTAC		CTATGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAA	2963	TGCAGGACCAGAGAATTGGAATACAG	3203	TGCAGGACCAGAGAATTGGAATACAA	3443
TTTGTAGNNNNCTAGCGTTAC		GCGTGCTNNNNCTAGCGTTAC		CGCAGCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2964	TGCAGGACCAGAGAATTGGAATACAG	3204	TGCAGGACCAGAGAATTGGAATACAC	3444
TTTCAGTNNNNCTAGCGTTAC		ACGTCATNNNNCTAGCGTTAC		GTCACAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAG	2965	TGCAGGACCAGAGAATTGGAATACAT	3205	TGCAGGACCAGAGAATTGGAATACAC	3445
CAGAACANNNNCTAGCGTTAC		GTATTAGNNNNCTAGCGTTAC		GCGATCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAC	2966	TGCAGGACCAGAGAATTGGAATACAA	3206	TGCAGGACCAGAGAATTGGAATACAG	3446
GAGTAGANNNNCTAGCGTTAC		TGATTACNNNNCTAGCGTTAC		TTAGACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAG	2967	TGCAGGACCAGAGAATTGGAATACAA	3207	TGCAGGACCAGAGAATTGGAATACAT	3447
TCGGAGNNNNCTAGCGTTAC		CTCCGAANNNNCTAGCGTTAC		CGCGAGCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAA	2968	TGCAGGACCAGAGAATTGGAATACAT	3208	TGCAGGACCAGAGAATTGGAATACAT	3448
TGTACTANNNNCTAGCGTTAC		TCTTCCNNNNCTAGCGTTAC		GTAAACTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2969	TGCAGGACCAGAGAATTGGAATACAT	3209	TGCAGGACCAGAGAATTGGAATACAT	3449
ACTCCGNNNNCTAGCGTTAC		CTCCTAGNNNNCTAGCGTTAC		GCCATAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAC	2970	TGCAGGACCAGAGAATTGGAATACAG	3210	TGCAGGACCAGAGAATTGGAATACAT	3450
ACATTTGNNNNCTAGCGTTAC		ACTTATANNNNCTAGCGTTAC		AATTACGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2971	TGCAGGACCAGAGAATTGGAATACAC	3211	TGCAGGACCAGAGAATTGGAATACAC	3451
TAGCAATNNNNCTAGCGTTAC		GAGTGAANNNNCTAGCGTTAC		CCGCGCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2972	TGCAGGACCAGAGAATTGGAATACAT	3212	TGCAGGACCAGAGAATTGGAATACAC	3452
CCAACGANNNNCTAGCGTTAC		ATAAATNNNNCTAGCGTTAC		AATATCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2973	TGCAGGACCAGAGAATTGGAATACAG	3213	TGCAGGACCAGAGAATTGGAATACAA	3453
TGATCCNNNNCTAGCGTTAC		CGGTGAGNNNNCTAGCGTTAC		TTAAGGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2974	TGCAGGACCAGAGAATTGGAATACAA	3214	TGCAGGACCAGAGAATTGGAATACAA	3454
ATTAATANNNNCTAGCGTTAC		GTCCCTNNNNCTAGCGTTAC		TATACACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2975	TGCAGGACCAGAGAATTGGAATACAA	3215	TGCAGGACCAGAGAATTGGAATACAT	3455
AAGTTTGNNNNNCTAGCGTTAC		GACTTATNNNNCTAGCGTTAC		ATTGACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAG	2976	TGCAGGACCAGAGAATTGGAATACAT	3216	TGCAGGACCAGAGAATTGGAATACAA	3456
CGCGCGNNNNCTAGCGTTAC		GGCATANNNNCTAGCGTTAC		CGAAATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2977	TGCAGGACCAGAGAATTGGAATACAA	3217	TGCAGGACCAGAGAATTGGAATACAG	3457
CACACGANNNNCTAGCGTTAC		TTCCATNNNNCTAGCGTTAC		TAGGACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAG	2978	TGCAGGACCAGAGAATTGGAATACAC	3218	TGCAGGACCAGAGAATTGGAATACAC	3458
AGTCGTTNNNNCTAGCGTTAC		TGATATANNNNCTAGCGTTAC		CCCCAGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAA	2979	TGCAGGACCAGAGAATTGGAATACAC	3219	TGCAGGACCAGAGAATTGGAATACAC	3459
GAGCCTTNNNNCTAGCGTTAC		AAGCACTNNNNCTAGCGTTAC		CTACGTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAC	2980	TGCAGGACCAGAGAATTGGAATACAG	3220	TGCAGGACCAGAGAATTGGAATACAT	3460
CTTGCTANNNNCTAGCGTTAC		CGCATGNNNNCTAGCGTTAC		GGTGAGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAA	2981	TGCAGGACCAGAGAATTGGAATACAT	3221	TGCAGGACCAGAGAATTGGAATACAC	3461
TCATAGTNNNNCTAGCGTTAC		TCTCAATNNNNCTAGCGTTAC		TAGCACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2982	TGCAGGACCAGAGAATTGGAATACAT	3222	TGCAGGACCAGAGAATTGGAATACAT	3462
AGCAATNNNNCTAGCGTTAC		CGCCACNNNNCTAGCGTTAC		CATGTAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAC	2983	TGCAGGACCAGAGAATTGGAATACAG	3223	TGCAGGACCAGAGAATTGGAATACAG	3463
AATTGTANNNNCTAGCGTTAC		GACGGACNNNNCTAGCGTTAC		GACGAATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAT	2984	TGCAGGACCAGAGAATTGGAATACAC	3224	TGCAGGACCAGAGAATTGGAATACAG	3464
TCGGCAANNNNCTAGCGTTAC		GAACAGANNNNCTAGCGTTAC		GATGGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAC	2985	TGCAGGACCAGAGAATTGGAATACAT	3225	TGCAGGACCAGAGAATTGGAATACAT	3465
CTAGTCTNNNNCTAGCGTTAC		ATCTCGCNNNNCTAGCGTTAC		CCCAGTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAC	2986	TGCAGGACCAGAGAATTGGAATACAT	3226	TGCAGGACCAGAGAATTGGAATACAC	3466
TAGGCTANNNNCTAGCGTTAC		GCATCAGNNNNCTAGCGTTAC		GAGACAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATACAA	2987	TGCAGGACCAGAGAATTGGAATACAC	3227	TGCAGGACCAGAGAATTGGAATACAC	3467
ATCAATCNNNNCTAGCGTTAC		CTAAGCNNNNCTAGCGTTAC		AATACGNNNNCTAGCGTTAC	

FIG. 16D

Pool-13	SEQ ID NO.	Pool-14	SEQ ID NO.	Pool-15	SEQ ID NO.
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
CCCTCGTNNNCTAGCGTTAC	2988	TTGACAANNNCTAGCGTTAC	3228	TTATGTCNNNCTAGCGTTAC	3468
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
GGTTGAGNNNCTAGCGTTAC	2989	CCGCCATNNNCTAGCGTTAC	3229	GGTAACNNNCTAGCGTTAC	3469
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
AGCCAGCNNNCTAGCGTTAC	2990	TGCATAANNNCTAGCGTTAC	3230	GCCCATANNNCTAGCGTTAC	3470
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
CTAATGTNNNCTAGCGTTAC	2991	CAGAGCANNNCTAGCGTTAC	3231	TCTCCANNNCTAGCGTTAC	3471
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
GTAGACNNNCTAGCGTTAC	2992	GTACGTTNNNCTAGCGTTAC	3232	TTTTGACNNNCTAGCGTTAC	3472
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
TCGCGAGNNNCTAGCGTTAC	2993	ATGCACTNNNCTAGCGTTAC	3233	TAGCCTGNNNCTAGCGTTAC	3473
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
TGCCGCTNNNCTAGCGTTAC	2994	TCTAAACNNNCTAGCGTTAC	3234	GAGTCTNNNCTAGCGTTAC	3474
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
CTGCGGNNNCTAGCGTTAC	2995	CGAGAACNNNCTAGCGTTAC	3235	CCCCACNNNCTAGCGTTAC	3475
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
CTCTACANNNCTAGCGTTAC	2996	CGCAAGCANNNCTAGCGTTAC	3236	GCGGCATNNNCTAGCGTTAC	3476
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
GGCCACGNNNCTAGCGTTAC	2997	CGACAAGNNNCTAGCGTTAC	3237	CCAGACANNNCTAGCGTTAC	3477
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
CGCAATCANNNCTAGCGTTAC	2998	GCCGATGNNNCTAGCGTTAC	3238	AATGCAANNNCTAGCGTTAC	3478
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
GTTTGCANNNCTAGCGTTAC	2999	ATCCAGCANNNCTAGCGTTAC	3239	ATTGCGNNNCTAGCGTTAC	3479
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
GTTAGANNNCTAGCGTTAC	3000	TTAATGNNNCTAGCGTTAC	3240	TGTCCTNNNCTAGCGTTAC	3480
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
CCTCGGNNNCTAGCGTTAC	3001	CGCTTCCNNNCTAGCGTTAC	3241	ATGTAATNNNCTAGCGTTAC	3481
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
AACACGNNNCTAGCGTTAC	3002	ACAATTGNNNCTAGCGTTAC	3242	CGCATACNNNCTAGCGTTAC	3482
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
AAATCAANNNCTAGCGTTAC	3003	TGGAACANNNCTAGCGTTAC	3243	TGCCCCNNNCTAGCGTTAC	3483
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
GTATCTCANNNCTAGCGTTAC	3004	TCTGTGNNNCTAGCGTTAC	3244	TCCCCAGNNNCTAGCGTTAC	3484
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
GGCCACANNNCTAGCGTTAC	3005	GCAGTACNNNCTAGCGTTAC	3245	CTACTANNNCTAGCGTTAC	3485
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
CATTCTANNNCTAGCGTTAC	3006	ACAACCTCANNNCTAGCGTTAC	3246	ACCGGTANNNCTAGCGTTAC	3486
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
TAGATGANNNCTAGCGTTAC	3007	GAGAGCANNNCTAGCGTTAC	3247	ACCTATANNNCTAGCGTTAC	3487
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
CACTGCGNNNCTAGCGTTAC	3008	TAAATGTNNNCTAGCGTTAC	3248	CGACTGNNNCTAGCGTTAC	3488
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
CTCCCTANNNGATCGACATG	3009	GCCTACGNNNGATCGACATG	3249	GAGTCTANNNGATCGACATG	3489
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
CAAACANNNGATCGACATG	3010	CGTTTCCNNNGATCGACATG	3250	ATGAAAGNNNGATCGACATG	3490
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
ATGTACANNNGATCGACATG	3011	GCCAGTANNNGATCGACATG	3251	CTGGCCGNNNGATCGACATG	3491
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
CGGTCTTNNNGATCGACATG	3012	TAAGTGGNNNGATCGACATG	3252	AACCATGNNNGATCGACATG	3492
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
CCATATTNNNGATCGACATG	3013	ACCTACTNNNGATCGACATG	3253	AGGTAGCANNNGATCGACATG	3493
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
TGACTCGNNNGATCGACATG	3014	ATTTGTANNNGATCGACATG	3254	TCTCAGCANNNGATCGACATG	3494
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
AATCTCTNNNGATCGACATG	3015	ACTACATNNNGATCGACATG	3255	TCAGGTGNNNGATCGACATG	3495
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
AATACTTNNNGATCGACATG	3016	CCTTGAANNNGATCGACATG	3256	CAATCTTNNNGATCGACATG	3496
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
CACTAGANNNGATCGACATG	3017	AATATTANNNGATCGACATG	3257	ACAGTTTNNNGATCGACATG	3497
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
TTGGACGNNNGATCGACATG	3018	GTTTAAATNNNGATCGACATG	3258	TCTTTACNNNGATCGACATG	3498
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
AAGTCCTNNNGATCGACATG	3019	CCACCGTNNNGATCGACATG	3259	CAATATTNNNGATCGACATG	3499
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
CTATGCTNNNGATCGACATG	3020	TACTTCGNNNGATCGACATG	3260	TCTCCATNNNGATCGACATG	3500

FIG. 16E

Pool-13	SEQ ID NO.	Pool-14	SEQ ID NO.	Pool-15	SEQ ID NO.
TGCAGGACCAGAGAATTCGAATACATCGATGTGNNNGATCGACATG	3021	TGCAGGACCAGAGAATTCGAATACAA TGCGTCANNNGATCGACATG	3261	TGCAGGACCAGAGAATTCGAATACAC AACAAATTNNNGATCGACATG	3501
TGCAGGACCAGAGAATTCGAATACATGTACACGNNNGATCGACATG	3022	TGCAGGACCAGAGAATTCGAATACAA ACATGTTNNNGATCGACATG	3262	TGCAGGACCAGAGAATTCGAATACATCGTAGACNNNGATCGACATG	3502
TGCAGGACCAGAGAATTCGAATACATCTTTAGTNNNGATCGACATG	3023	TGCAGGACCAGAGAATTCGAATACACCTGTTGNNNGATCGACATG	3263	TGCAGGACCAGAGAATTCGAATACAGTAGATAANNNGATCGACATG	3503
TGCAGGACCAGAGAATTCGAATACACGTAGGCCNNNGATCGACATG	3024	TGCAGGACCAGAGAATTCGAATACACACAAGCTNNNGATCGACATG	3264	TGCAGGACCAGAGAATTCGAATACAA CATATACNNNGATCGACATG	3504
TGCAGGACCAGAGAATTCGAATACAA CTTTTATNNNGATCGACATG	3025	TGCAGGACCAGAGAATTCGAATACAGATAAGATNNNGATCGACATG	3265	TGCAGGACCAGAGAATTCGAATACACACGACGNNNGATCGACATG	3505
TGCAGGACCAGAGAATTCGAATACACGTCTATCNNNGATCGACATG	3026	TGCAGGACCAGAGAATTCGAATACAA GACCTCANNNGATCGACATG	3266	TGCAGGACCAGAGAATTCGAATACACACAAAAANNNGATCGACATG	3506
TGCAGGACCAGAGAATTCGAATACAGTAGAAATNNNGATCGACATG	3027	TGCAGGACCAGAGAATTCGAATACAC TCCAAGANNNGATCGACATG	3267	TGCAGGACCAGAGAATTCGAATACACGTACCGNNNGATCGACATG	3507
TGCAGGACCAGAGAATTCGAATACACGTACCAANNNGATCGACATG	3028	TGCAGGACCAGAGAATTCGAATACAGGTATTCGNNNGATCGACATG	3268	TGCAGGACCAGAGAATTCGAATACAC CACAATGNNNGATCGACATG	3508
TGCAGGACCAGAGAATTCGAATACAC ACCACCCNNNGATCGACATG	3029	TGCAGGACCAGAGAATTCGAATACAA CTCGGATNNNGATCGACATG	3269	TGCAGGACCAGAGAATTCGAATACAC GCTCTGNNNGATCGACATG	3509
TGCAGGACCAGAGAATTCGAATACATGCGGCGTNNNGATCGACATG	3030	TGCAGGACCAGAGAATTCGAATACAT ATATCGANNNGATCGACATG	3270	TGCAGGACCAGAGAATTCGAATACAG TCAAGCTNNNGATCGACATG	3510
TGCAGGACCAGAGAATTCGAATACAG CCCCCGNNNGATCGACATG	3031	TGCAGGACCAGAGAATTCGAATACAA TCCACTCNNNGATCGACATG	3271	TGCAGGACCAGAGAATTCGAATACAA CTCTTCGNNNGATCGACATG	3511
TGCAGGACCAGAGAATTCGAATACATAGTAAGANNNGATCGACATG	3032	TGCAGGACCAGAGAATTCGAATACAGAACTGGANNNGATCGACATG	3272	TGCAGGACCAGAGAATTCGAATACAA ACACGGANNNGATCGACATG	3512
TGCAGGACCAGAGAATTCGAATACATCTGAATANNNGATCGACATG	3033	TGCAGGACCAGAGAATTCGAATACAGATCAGAGNNNGATCGACATG	3273	TGCAGGACCAGAGAATTCGAATACAA CCGCGCANNNGATCGACATG	3513
TGCAGGACCAGAGAATTCGAATACACTAATACANNNGATCGACATG	3034	TGCAGGACCAGAGAATTCGAATACAT TGAACCTANNNGATCGACATG	3274	TGCAGGACCAGAGAATTCGAATACAC ACCTTGTNNNGATCGACATG	3514
TGCAGGACCAGAGAATTCGAATACAA TGTACGNNNGATCGACATG	3035	TGCAGGACCAGAGAATTCGAATACAG CCAGCCANNNGATCGACATG	3275	TGCAGGACCAGAGAATTCGAATACAT TATCGCGNNNGATCGACATG	3515
TGCAGGACCAGAGAATTCGAATACAA ACAGAAATNNNGATCGACATG	3036	TGCAGGACCAGAGAATTCGAATACAT TTAAGTNNNGATCGACATG	3276	TGCAGGACCAGAGAATTCGAATACAG ACTCTCANNNGATCGACATG	3516
TGCAGGACCAGAGAATTCGAATACAG CCGAGGTNNNGATCGACATG	3037	TGCAGGACCAGAGAATTCGAATACAT GTCAGGTNNNGATCGACATG	3277	TGCAGGACCAGAGAATTCGAATACAG AGTCTTNNNGATCGACATG	3517
TGCAGGACCAGAGAATTCGAATACAG CTCATGANNNGATCGACATG	3038	TGCAGGACCAGAGAATTCGAATACAC AGCGTTANNNGATCGACATG	3278	TGCAGGACCAGAGAATTCGAATACAT AGAATCTNNNGATCGACATG	3518
TGCAGGACCAGAGAATTCGAATACAC CGGTTCGANNNGATCGACATG	3039	TGCAGGACCAGAGAATTCGAATACAT GTGATCGNNNGATCGACATG	3279	TGCAGGACCAGAGAATTCGAATACAC GACCACGNNNGATCGACATG	3519
TGCAGGACCAGAGAATTCGAATACAC AATTCCCNNGATCGACATG	3040	TGCAGGACCAGAGAATTCGAATACAG CTCGTAAANNNGATCGACATG	3280	TGCAGGACCAGAGAATTCGAATACAT GGATTTCNNNGATCGACATG	3520
TGCAGGACCAGAGAATTCGAATACAC CAGGCCANNNGATCGACATG	3041	TGCAGGACCAGAGAATTCGAATACAA TTCTACTNNNGATCGACATG	3281	TGCAGGACCAGAGAATTCGAATACAC GACTAGTNNNGATCGACATG	3521
TGCAGGACCAGAGAATTCGAATACAC CTCGCGANNNGATCGACATG	3042	TGCAGGACCAGAGAATTCGAATACAG ATCAGTCCNNNGATCGACATG	3282	TGCAGGACCAGAGAATTCGAATACAC CCAAAACNNNGATCGACATG	3522
TGCAGGACCAGAGAATTCGAATACAG CTAAAGNNNGATCGACATG	3043	TGCAGGACCAGAGAATTCGAATACAG GATTATTNNNGATCGACATG	3283	TGCAGGACCAGAGAATTCGAATACAT GACCCCNNGATCGACATG	3523
TGCAGGACCAGAGAATTCGAATACAT TTAAGGTNNNGATCGACATG	3044	TGCAGGACCAGAGAATTCGAATACAC CATTTCGNNNGATCGACATG	3284	TGCAGGACCAGAGAATTCGAATACAG CATTAGCNNNGATCGACATG	3524
TGCAGGACCAGAGAATTCGAATACAA AACGTAANNNGATCGACATG	3045	TGCAGGACCAGAGAATTCGAATACAG TACATGCNNNGATCGACATG	3285	TGCAGGACCAGAGAATTCGAATACAG CCAGATTNNNGATCGACATG	3525
TGCAGGACCAGAGAATTCGAATACAA ATTTGGTNNNGATCGACATG	3046	TGCAGGACCAGAGAATTCGAATACAC GTCCGAGNNNGATCGACATG	3286	TGCAGGACCAGAGAATTCGAATACAA CAACTATNNNGATCGACATG	3526
TGCAGGACCAGAGAATTCGAATACAA CGTTAGCNNNGATCGACATG	3047	TGCAGGACCAGAGAATTCGAATACAT ATTTGTNNNGATCGACATG	3287	TGCAGGACCAGAGAATTCGAATACAG TAGGTCTNNNGATCGACATG	3527
TGCAGGACCAGAGAATTCGAATACAA AGTTTGGNNNGATCGACATG	3048	TGCAGGACCAGAGAATTCGAATACAA CAGTCCANNNGATCGACATG	3288	TGCAGGACCAGAGAATTCGAATACAA ATAAGGTNNNGATCGACATG	3528
TGCAGGACCAGAGAATTCGAATACAA GCGTTCCANNNGATCGACATG	3049	TGCAGGACCAGAGAATTCGAATACAG CGATTGTNNNGATCGACATG	3289	TGCAGGACCAGAGAATTCGAATACAA AGAGAAANNNGATCGACATG	3529
TGCAGGACCAGAGAATTCGAATACAG GACTTGTNNNGATCGACATG	3050	TGCAGGACCAGAGAATTCGAATACAC CTGGAATNNNGATCGACATG	3290	TGCAGGACCAGAGAATTCGAATACAT TTTGTGTNNNGATCGACATG	3530
TGCAGGACCAGAGAATTCGAATACAG GTCAGATNNNGATCGACATG	3051	TGCAGGACCAGAGAATTCGAATACAA CGAGCAANNNGATCGACATG	3291	TGCAGGACCAGAGAATTCGAATACAA GCGGTTNNNGATCGACATG	3531
TGCAGGACCAGAGAATTCGAATACAC CAGAAGANNNGATCGACATG	3052	TGCAGGACCAGAGAATTCGAATACAA CACCAACNNNGATCGACATG	3292	TGCAGGACCAGAGAATTCGAATACAA AAAGCTANNNGATCGACATG	3532
TGCAGGACCAGAGAATTCGAATACAG CGATCTANNNGATCGACATG	3053	TGCAGGACCAGAGAATTCGAATACAT TTAGTCTNNNGATCGACATG	3293	TGCAGGACCAGAGAATTCGAATACAA CCGGATTNNNGATCGACATG	3533

FIG. 16F

Pool-13	SEQ ID NO.	Pool-14	SEQ ID NO.	Pool-15	SEQ ID NO.
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
TCACCGANNNGATCGACATG	3054	GTAGCTGNNNGATCGACATG	3294	TCAAATANNNGATCGACATG	3534
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
CACATAATNNNGATCGACATG	3055	GCTTACANNNGATCGACATG	3295	GAGAACANNNGATCGACATG	3535
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
TATGAAGNNNGATCGACATG	3056	GACCAGCANNNGATCGACATG	3296	CCAGGACNNNGATCGACATG	3536
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
GTAAGCGNNNGATCGACATG	3057	CCAAAGNNNGATCGACATG	3297	CAGCTCCNNNGATCGACATG	3537
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
ACGCTATNNNGATCGACATG	3058	GAGGTAANNNGATCGACATG	3298	ATACATGNNNGATCGACATG	3538
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
GACATCGNNNGATCGACATG	3059	AGTCATGNNNGATCGACATG	3299	ATAGTTGNNNGATCGACATG	3539
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
CAGAAACNNNGATCGACATG	3060	GACCACANNNGATCGACATG	3300	ATAGTTANNNGATCGACATG	3540
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
TTTTGCANNNGATCGACATG	3061	GAACACANNNGATCGACATG	3301	TCATTACNNNGATCGACATG	3541
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT	
TACCCGCGNNNGATCGACATG	3062	AGTAATCANNNGATCGACATG	3302	GCTACCTNNNGATCGACATG	3542
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
TAATGCTNNNGATCGACATG	3063	CGACGGTNNNGATCGACATG	3303	TAGCTTGNNNGATCGACATG	3543
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
AGCAGTGNNNGATCGACATG	3064	TGCCTTGNNNGATCGACATG	3304	CGGATATNNNGATCGACATG	3544
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
CAOGTCANNNGATCGACATG	3065	AGCGGCANNNGATCGACATG	3305	AGCCCGCANNNGATCGACATG	3545
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
TAATACTNNNGATCGACATG	3066	GCCTCGCANNNGATCGACATG	3306	ATCCTCTNNNGATCGACATG	3546
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
ACAAACANNNGATCGACATG	3067	CGTCAAGNNNGATCGACATG	3307	GTACCCANNNGATCGACATG	3547
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
ACATGGCANNNGATCGACATG	3068	GACGGCANNNGATCGACATG	3308	CGGAGTANNNGATCGACATG	3548
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
GTCTCAANNNTGCATCAGGT	3069	CATGCCGNNNTGCATCAGGT	3309	TAAAGTNNNTGCATCAGGT	3549
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
TTTAACCTNNNTGCATCAGGT	3070	GTCTAAGNNNTGCATCAGGT	3310	AGGTGTCNNNTGCATCAGGT	3550
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
TAAGGTGNNNTGCATCAGGT	3071	CGTGATTNNNTGCATCAGGT	3311	AGACCGTNNNTGCATCAGGT	3551
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
AATAGCGNNNTGCATCAGGT	3072	TAGTCCCNNNTGCATCAGGT	3312	CTCGTTNNNTGCATCAGGT	3552
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
AATTAATNNNTGCATCAGGT	3073	GGCATTGNNNTGCATCAGGT	3313	AATCTTNNNTGCATCAGGT	3553
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
TCCTGTGNNNTGCATCAGGT	3074	ACGGTGGNNNTGCATCAGGT	3314	ACCAACTNNNTGCATCAGGT	3554
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
GCGCGTGNNNTGCATCAGGT	3075	CGCTTTNNNTGCATCAGGT	3315	CACCTACNNNTGCATCAGGT	3555
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
ACGAAACNNNTGCATCAGGT	3076	GTGGACNNNTGCATCAGGT	3316	TTAATTGNNNTGCATCAGGT	3556
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
GTTTAGGNNNTGCATCAGGT	3077	TGCTTTNNNTGCATCAGGT	3317	CAATTATNNNTGCATCAGGT	3557
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
TAGCCTANNNTGCATCAGGT	3078	GAAAGCGNNNTGCATCAGGT	3318	ACGAGACNNNTGCATCAGGT	3558
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
TTCCCTGNNNTGCATCAGGT	3079	CGTGCGANNNTGCATCAGGT	3319	TGGGCATNNNTGCATCAGGT	3559
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
ACGAAATNNNTGCATCAGGT	3080	ACAACATNNNTGCATCAGGT	3320	CACACGNNNTGCATCAGGT	3560
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
ACCCCCNNNTGCATCAGGT	3081	TTACTCTNNNTGCATCAGGT	3321	GCCAGGANNNTGCATCAGGT	3561
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
TATGATANNNTGCATCAGGT	3082	TTCCCTANNNTGCATCAGGT	3322	AGGAGTTNNNTGCATCAGGT	3562
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
ACATGATNNNTGCATCAGGT	3083	ACACGGCANNNTGCATCAGGT	3323	CACCGCTNNNTGCATCAGGT	3563
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
GTACATANNNTGCATCAGGT	3084	AGAATTCNNNTGCATCAGGT	3324	CGATGAGNNNTGCATCAGGT	3564
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
ACGAAAAANNNTGCATCAGGT	3085	TTGAGGNNNTGCATCAGGT	3325	TAGCATANNNTGCATCAGGT	3565
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
ATAACATNNNTGCATCAGGT	3086	TTAACTNNNTGCATCAGGT	3326	GTCCCAANNNTGCATCAGGT	3566

FIG. 16G

Pool-13	SEQ ID NO.	Pool-14	SEQ ID NO.	Pool-15	SEQ ID NO.
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
GAGAAATCANNNTGCATCAGGT	3087	CTTACCCNNNTGCATCAGGT	3327	GCCTCTTNNNTGCATCAGGT	3567
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
CTTGTCGNNNTGCATCAGGT	3088	AGTTCGTNNNTGCATCAGGT	3328	CACCATCANNNTGCATCAGGT	3568
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
AAGCGCTNNNTGCATCAGGT	3089	TTCCAATNNNTGCATCAGGT	3329	TCATCANNNTGCATCAGGT	3569
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TCTAGAANNNTGCATCAGGT	3090	TAAGTTCCNNNTGCATCAGGT	3330	CGGCGAGNNNTGCATCAGGT	3570
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
TGCTTGNNNTGCATCAGGT	3091	ATGTACTNNNTGCATCAGGT	3331	TGGGACGNNNTGCATCAGGT	3571
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
AGCGTATNNNTGCATCAGGT	3092	TCCAAGTNNNTGCATCAGGT	3332	ACGGCATNNNTGCATCAGGT	3572
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
AGGAGCTNNNTGCATCAGGT	3093	CGACCAANNNTGCATCAGGT	3333	TTAGTAGNNNTGCATCAGGT	3573
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
ATGCCTTNNNTGCATCAGGT	3094	TGCATAGNNNTGCATCAGGT	3334	GGAGAGNNNTGCATCAGGT	3574
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
GCGGTGTNNNTGCATCAGGT	3095	CTTCCANNNTGCATCAGGT	3335	CGCGCAANNNTGCATCAGGT	3575
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
TGAAAGGNNNTGCATCAGGT	3096	TAGATTGNNNTGCATCAGGT	3336	TGCTGGCNNNTGCATCAGGT	3576
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GTACGCTNNNTGCATCAGGT	3097	ATTGCGANNNTGCATCAGGT	3337	TACACTANNNTGCATCAGGT	3577
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
CTAAGCTNNNTGCATCAGGT	3098	AGCACATNNNTGCATCAGGT	3338	CACGCCCTNNNTGCATCAGGT	3578
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
CCGAGTANNNTGCATCAGGT	3099	CCGGCAANNNTGCATCAGGT	3339	GAGTGGNNNTGCATCAGGT	3579
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
AGATCGTNNNTGCATCAGGT	3100	CAGATGGNNNTGCATCAGGT	3340	AGTTGCTNNNTGCATCAGGT	3580
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
GAAAAATNNNTGCATCAGGT	3101	GCGTATGNNNTGCATCAGGT	3341	CCGGCTTNNNTGCATCAGGT	3581
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
CCAGACNNNTGCATCAGGT	3102	CAGGATNNNTGCATCAGGT	3342	AGATAGNNNTGCATCAGGT	3582
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
CTGCACGNNNTGCATCAGGT	3103	ATCCATCANNNTGCATCAGGT	3343	AGTCCGTNNNTGCATCAGGT	3583
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
TGGAACCTNNNTGCATCAGGT	3104	TACGCCNNNTGCATCAGGT	3344	ATCAGANNNTGCATCAGGT	3584
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
TAGCAANNNTGCATCAGGT	3105	ACCTACANNNTGCATCAGGT	3345	ACTCAGANNNTGCATCAGGT	3585
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
AGCTATCANNNTGCATCAGGT	3106	CCCACGNNNTGCATCAGGT	3346	TATTCCANNNTGCATCAGGT	3586
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GGTATCANNNTGCATCAGGT	3107	ATTTCGCTNNNTGCATCAGGT	3347	AGTAACANNNTGCATCAGGT	3587
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
TGGATCANNNTGCATCAGGT	3108	ATCTGGTNNNTGCATCAGGT	3348	TGTGCTNNNTGCATCAGGT	3588
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
GGCTTCCNNNTGCATCAGGT	3109	ATCGTTNNNTGCATCAGGT	3349	AGAGTCGNNNTGCATCAGGT	3589
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
CAGGTTGNNNTGCATCAGGT	3110	GATTCTGNNNTGCATCAGGT	3350	GCTGTTGNNNTGCATCAGGT	3590
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GGCGCGCANNNTGCATCAGGT	3111	CGCATCCNNNTGCATCAGGT	3351	TATTGACNNNTGCATCAGGT	3591
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
TGTGTCGNNNTGCATCAGGT	3112	ACTAAAANNNTGCATCAGGT	3352	AATATTTNNNTGCATCAGGT	3592
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
TTTGGAGNNNTGCATCAGGT	3113	TGGATGTNNNTGCATCAGGT	3353	TCAAGACNNNTGCATCAGGT	3593
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GCCCACTNNNTGCATCAGGT	3114	CGTTTACNNNTGCATCAGGT	3354	GACGAACNNNTGCATCAGGT	3594
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
ACACTGCNNNTGCATCAGGT	3115	ATTATCGNNNTGCATCAGGT	3355	GGCAGGNNNTGCATCAGGT	3595
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
CGCCGTANNNTGCATCAGGT	3116	ACTCGAANNNTGCATCAGGT	3356	CTTATAGNNNTGCATCAGGT	3596
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
TAGCATCANNNTGCATCAGGT	3117	AACGTTCCNNNTGCATCAGGT	3357	TACTAAANNNTGCATCAGGT	3597
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
GCAGCATNNNTGCATCAGGT	3118	CCCGCAGNNNTGCATCAGGT	3358	TTAGAGTNNNTGCATCAGGT	3598
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
GCAGACTNNNTGCATCAGGT	3119	TCTCTGTNNNTGCATCAGGT	3359	TGCTTCANNNTGCATCAGGT	3599

FIG. 16H

Pool-13	SEQ ID NO.	Pool-14	SEQ ID NO.	Pool-15	SEQ ID NO.
TGCAGGACCAGAGAATTCGAATACAA AGATGCGNNNTGCATCAGGT	3120	TGCAGGACCAGAGAATTCGAATACAA TTGATCANNNTGCATCAGGT	3360	TGCAGGACCAGAGAATTCGAATACAA GGTTCTGNNNTGCATCAGGT	3600
TGCAGGACCAGAGAATTCGAATACAA ACATATCANNNTGCATCAGGT	3121	TGCAGGACCAGAGAATTCGAATACAA AGTTTACNNNTGCATCAGGT	3361	TGCAGGACCAGAGAATTCGAATACAA GTAGGTGNNNTGCATCAGGT	3601
TGCAGGACCAGAGAATTCGAATACAT GGAACGANNNTGCATCAGGT	3122	TGCAGGACCAGAGAATTCGAATACAT GTTGTAANNNTGCATCAGGT	3362	TGCAGGACCAGAGAATTCGAATACAC CCGATAANNNTGCATCAGGT	3602
TGCAGGACCAGAGAATTCGAATACAT GCTCTTGNNTGCATCAGGT	3123	TGCAGGACCAGAGAATTCGAATACAC TCTCAACNNNTGCATCAGGT	3363	TGCAGGACCAGAGAATTCGAATACAC AGAGTGANNNTGCATCAGGT	3603
TGCAGGACCAGAGAATTCGAATACAA CTCCTGTNNNTGCATCAGGT	3124	TGCAGGACCAGAGAATTCGAATACAA ACGGCCNNNTGCATCAGGT	3364	TGCAGGACCAGAGAATTCGAATACAG TTCGCTTNNNTGCATCAGGT	3604
TGCAGGACCAGAGAATTCGAATACAA AACGTGNNNTGCATCAGGT	3125	TGCAGGACCAGAGAATTCGAATACAA ATGGTAANNNTGCATCAGGT	3365	TGCAGGACCAGAGAATTCGAATACAG TTATCAANNNTGCATCAGGT	3605
TGCAGGACCAGAGAATTCGAATACAT GTCCCTANNNTGCATCAGGT	3126	TGCAGGACCAGAGAATTCGAATACAT ACAACCGNNNTGCATCAGGT	3366	TGCAGGACCAGAGAATTCGAATACAA GATGCTCANNNTGCATCAGGT	3606
TGCAGGACCAGAGAATTCGAATACAA ATCGCTGNNNTGCATCAGGT	3127	TGCAGGACCAGAGAATTCGAATACAA TACGGTCNNNTGCATCAGGT	3367	TGCAGGACCAGAGAATTCGAATACAA ACGTAAANNNTGCATCAGGT	3607
TGCAGGACCAGAGAATTCGAATACAG AAGCATGNNNTGCATCAGGT	3128	TGCAGGACCAGAGAATTCGAATACAT GCGCTGGNNNTGCATCAGGT	3368	TGCAGGACCAGAGAATTCGAATACAG CATTTCCNNNTGCATCAGGT	3608

FIG. 17A

Pool-16	SEQ ID NO:	Pool-17	SEQ ID NO:	Pool-18	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATACAT	3609	TGCAGGACCAGAGAATTCGAATACAA	3849	TGCAGGACCAGAGAATTCGAATACAA	4089
GATTC AANNACGTATGCCA		TTTCCGNNNACGTATGCCA		CGAGACANNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3610	TGCAGGACCAGAGAATTCGAATACAA	3850	TGCAGGACCAGAGAATTCGAATACAC	4090
CAAGTAANNACGTATGCCA		TCCCAGANNACGTATGCCA		GCTAATGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3611	TGCAGGACCAGAGAATTCGAATACAC	3851	TGCAGGACCAGAGAATTCGAATACAT	4091
TGACCGTNNNACGTATGCCA		GGAGACGNNNACGTATGCCA		ACGTCCANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3612	TGCAGGACCAGAGAATTCGAATACAC	3852	TGCAGGACCAGAGAATTCGAATACAA	4092
TCCTCGTCNNNACGTATGCCA		GATACGTNNNACGTATGCCA		TTCTGTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAG	3613	TGCAGGACCAGAGAATTCGAATACAT	3853	TGCAGGACCAGAGAATTCGAATACAG	4093
GCACCAANNACGTATGCCA		CCTGCTANNNACGTATGCCA		TAGAGGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3614	TGCAGGACCAGAGAATTCGAATACAA	3854	TGCAGGACCAGAGAATTCGAATACAG	4094
GGCGCCTNNNACGTATGCCA		ATTACACNNNACGTATGCCA		GCGGTTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAT	3615	TGCAGGACCAGAGAATTCGAATACAT	3855	TGCAGGACCAGAGAATTCGAATACAA	4095
GCTTACNNNACGTATGCCA		TTCCGACNNNACGTATGCCA		TAGGCTCANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3616	TGCAGGACCAGAGAATTCGAATACAC	3856	TGCAGGACCAGAGAATTCGAATACAT	4096
GCACGACNNNACGTATGCCA		TCCCCTNNNACGTATGCCA		CCAATTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAG	3617	TGCAGGACCAGAGAATTCGAATACAA	3857	TGCAGGACCAGAGAATTCGAATACAC	4097
AGGCTTTNNNACGTATGCCA		CAATTCANNNACGTATGCCA		TGCCGAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3618	TGCAGGACCAGAGAATTCGAATACAA	3858	TGCAGGACCAGAGAATTCGAATACAC	4098
ATTCATTNNNACGTATGCCA		GCAGCGNNNACGTATGCCA		TGTAGTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3619	TGCAGGACCAGAGAATTCGAATACAA	3859	TGCAGGACCAGAGAATTCGAATACAA	4099
AATCATANNNACGTATGCCA		TCCGATGNNNACGTATGCCA		ACGGTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3620	TGCAGGACCAGAGAATTCGAATACAT	3860	TGCAGGACCAGAGAATTCGAATACAC	4100
TACGATGNNNACGTATGCCA		ACGCACANNNACGTATGCCA		AGGCGTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAG	3621	TGCAGGACCAGAGAATTCGAATACAC	3861	TGCAGGACCAGAGAATTCGAATACAC	4101
AGGTACANNNACGTATGCCA		CACCATNNNACGTATGCCA		TTGCCTANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3622	TGCAGGACCAGAGAATTCGAATACAA	3862	TGCAGGACCAGAGAATTCGAATACAC	4102
TCGTCTANNNACGTATGCCA		AAGGTCGNNNACGTATGCCA		TTCCGTANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3623	TGCAGGACCAGAGAATTCGAATACAG	3863	TGCAGGACCAGAGAATTCGAATACAC	4103
GAAGGAGNNNACGTATGCCA		CAGTGTNNNACGTATGCCA		AGACGTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAG	3624	TGCAGGACCAGAGAATTCGAATACAT	3864	TGCAGGACCAGAGAATTCGAATACAA	4104
TGACATCTNNNACGTATGCCA		CGAACTGNNNACGTATGCCA		GGAAACGTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAG	3625	TGCAGGACCAGAGAATTCGAATACAT	3865	TGCAGGACCAGAGAATTCGAATACAT	4105
CGGTGGANNNACGTATGCCA		TCCGTACNNNACGTATGCCA		TCCGTAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3626	TGCAGGACCAGAGAATTCGAATACAT	3866	TGCAGGACCAGAGAATTCGAATACAG	4106
ACAAATTNNNACGTATGCCA		ATTTCATCTNNNACGTATGCCA		CCCGATGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3627	TGCAGGACCAGAGAATTCGAATACAA	3867	TGCAGGACCAGAGAATTCGAATACAA	4107
CGTGACGNNNACGTATGCCA		AACTACTNNNACGTATGCCA		ACGTCTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3628	TGCAGGACCAGAGAATTCGAATACAG	3868	TGCAGGACCAGAGAATTCGAATACAC	4108
AAATTACNNNACGTATGCCA		CCCGTAGNNNACGTATGCCA		TCTACACNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAG	3629	TGCAGGACCAGAGAATTCGAATACAA	3869	TGCAGGACCAGAGAATTCGAATACAA	4109
CAGACAANNNACGTATGCCA		GTCTGTGNNNACGTATGCCA		CGCGGTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAT	3630	TGCAGGACCAGAGAATTCGAATACAT	3870	TGCAGGACCAGAGAATTCGAATACAC	4110
TCTAAGANNNACGTATGCCA		GACAGCTNNNACGTATGCCA		ATCCAGANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3631	TGCAGGACCAGAGAATTCGAATACAT	3871	TGCAGGACCAGAGAATTCGAATACAA	4111
ATTGAGCNNNACGTATGCCA		CAGCGATNNNACGTATGCCA		AGTCGAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3632	TGCAGGACCAGAGAATTCGAATACAG	3872	TGCAGGACCAGAGAATTCGAATACAG	4112
TGAGAGCNNNACGTATGCCA		AGTAAATNNNACGTATGCCA		GCAGCCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAT	3633	TGCAGGACCAGAGAATTCGAATACAG	3873	TGCAGGACCAGAGAATTCGAATACAT	4113
TTCCCGANNNACGTATGCCA		CTGCCTCANNNACGTATGCCA		TATACAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAT	3634	TGCAGGACCAGAGAATTCGAATACAC	3874	TGCAGGACCAGAGAATTCGAATACAC	4114
TGCGAACNNNACGTATGCCA		TTGACGANNNACGTATGCCA		CGGTCTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAT	3635	TGCAGGACCAGAGAATTCGAATACAC	3875	TGCAGGACCAGAGAATTCGAATACAT	4115
GGAGATGNNNACGTATGCCA		CTCTTTCTNNNACGTATGCCA		AATTTAANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3636	TGCAGGACCAGAGAATTCGAATACAA	3876	TGCAGGACCAGAGAATTCGAATACAT	4116
CAACCCNNNACGTATGCCA		CACAGGNNNACGTATGCCA		TCATCATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAG	3637	TGCAGGACCAGAGAATTCGAATACAT	3877	TGCAGGACCAGAGAATTCGAATACAC	4117
ACAATGNNNACGTATGCCA		CTCCAGTNNNACGTATGCCA		ATGTATANNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAC	3638	TGCAGGACCAGAGAATTCGAATACAT	3878	TGCAGGACCAGAGAATTCGAATACAG	4118
AGAGCCCTNNNACGTATGCCA		ATTGGTANNNACGTATGCCA		TAGTTATNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3639	TGCAGGACCAGAGAATTCGAATACAG	3879	TGCAGGACCAGAGAATTCGAATACAT	4119
AGAATACNNNACGTATGCCA		CTTCATCTNNNACGTATGCCA		GTATCGGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCGAATACAA	3640	TGCAGGACCAGAGAATTCGAATACAT	3880	TGCAGGACCAGAGAATTCGAATACAA	4120
GGTAAATNNNACGTATGCCA		TCGTTTANNNACGTATGCCA		GAGGTTGNNNACGTATGCCA	

FIG. 17B

Pool-16	SEQ ID NO:	Pool-17	SEQ ID NO:	Pool-18	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATACAG CCCCAGNNNACGTATGCCA	3641	TGCAGGACCAGAGAATTGGAATACAT ACGTGACNNNACGTATGCCA	3881	TGCAGGACCAGAGAATTGGAATACAG CACAAGANNNACGTATGCCA	4121
TGCAGGACCAGAGAATTGGAATACAC TGCTTGTNNNACGTATGCCA	3642	TGCAGGACCAGAGAATTGGAATACAT GTTGGTGNNNACGTATGCCA	3882	TGCAGGACCAGAGAATTGGAATACAA ACCCGGCNNNACGTATGCCA	4122
TGCAGGACCAGAGAATTGGAATACAA CAGCGCCNNNACGTATGCCA	3643	TGCAGGACCAGAGAATTGGAATACAC ATCACAGNNNACGTATGCCA	3883	TGCAGGACCAGAGAATTGGAATACAT GTGGCTANNNACGTATGCCA	4123
TGCAGGACCAGAGAATTGGAATACAA CGACCTANNNACGTATGCCA	3644	TGCAGGACCAGAGAATTGGAATACAA ACGGCGNNNACGTATGCCA	3884	TGCAGGACCAGAGAATTGGAATACAG TAGCTCANNNACGTATGCCA	4124
TGCAGGACCAGAGAATTGGAATACAA TTAGAAGNNNACGTATGCCA	3645	TGCAGGACCAGAGAATTGGAATACAA ATGTGAANNNACGTATGCCA	3885	TGCAGGACCAGAGAATTGGAATACAG GCTGGCTNNNACGTATGCCA	4125
TGCAGGACCAGAGAATTGGAATACAG CCGTACGNNNACGTATGCCA	3646	TGCAGGACCAGAGAATTGGAATACAG TAGCCGNNNACGTATGCCA	3886	TGCAGGACCAGAGAATTGGAATACAT ACAGCTGNNNACGTATGCCA	4126
TGCAGGACCAGAGAATTGGAATACAC AGAAAGCNNNACGTATGCCA	3647	TGCAGGACCAGAGAATTGGAATACAT GTGAATTNNNACGTATGCCA	3887	TGCAGGACCAGAGAATTGGAATACAC TTGTGTNNNACGTATGCCA	4127
TGCAGGACCAGAGAATTGGAATACAC CACCTTANNNACGTATGCCA	3648	TGCAGGACCAGAGAATTGGAATACAC GGTAAGANNNACGTATGCCA	3888	TGCAGGACCAGAGAATTGGAATACAA GCATCGTNNNACGTATGCCA	4128
TGCAGGACCAGAGAATTGGAATACAA AGGATTANNNACGTATGCCA	3649	TGCAGGACCAGAGAATTGGAATACAT CTGGTGAANNNACGTATGCCA	3889	TGCAGGACCAGAGAATTGGAATACAA ATAAAGCNNNACGTATGCCA	4129
TGCAGGACCAGAGAATTGGAATACAA GCAATANNNACGTATGCCA	3650	TGCAGGACCAGAGAATTGGAATACAG TCCGTTNNNACGTATGCCA	3890	TGCAGGACCAGAGAATTGGAATACAC TATCGGANNNACGTATGCCA	4130
TGCAGGACCAGAGAATTGGAATACAC ACTTCGTTNNNACGTATGCCA	3651	TGCAGGACCAGAGAATTGGAATACAC CGTCGAGNNNACGTATGCCA	3891	TGCAGGACCAGAGAATTGGAATACAC CGCCCGCNNNACGTATGCCA	4131
TGCAGGACCAGAGAATTGGAATACAA TTGGTCCNNNACGTATGCCA	3652	TGCAGGACCAGAGAATTGGAATACAT CGATCCTNNNACGTATGCCA	3892	TGCAGGACCAGAGAATTGGAATACAT CGTTTCGNNNACGTATGCCA	4132
TGCAGGACCAGAGAATTGGAATACAT TCTTGGCNNNACGTATGCCA	3653	TGCAGGACCAGAGAATTGGAATACAT TTGGGTCNNNACGTATGCCA	3893	TGCAGGACCAGAGAATTGGAATACAC CTAGCAANNNACGTATGCCA	4133
TGCAGGACCAGAGAATTGGAATACAT TGCTCTNNNACGTATGCCA	3654	TGCAGGACCAGAGAATTGGAATACAC TCGGGTCNNNACGTATGCCA	3894	TGCAGGACCAGAGAATTGGAATACAT GAACATTNNNACGTATGCCA	4134
TGCAGGACCAGAGAATTGGAATACAG GAGACTANNNACGTATGCCA	3655	TGCAGGACCAGAGAATTGGAATACAT CCACGCCNNNACGTATGCCA	3895	TGCAGGACCAGAGAATTGGAATACAT GTAACATNNNACGTATGCCA	4135
TGCAGGACCAGAGAATTGGAATACAA ATACTTGNNNACGTATGCCA	3656	TGCAGGACCAGAGAATTGGAATACAA CGTGCCGNNNACGTATGCCA	3896	TGCAGGACCAGAGAATTGGAATACAG TCGGAAANNNACGTATGCCA	4136
TGCAGGACCAGAGAATTGGAATACAG CTGTTAGNNNACGTATGCCA	3657	TGCAGGACCAGAGAATTGGAATACAT GTGGTACNNNACGTATGCCA	3897	TGCAGGACCAGAGAATTGGAATACAG TTGGCCGNNNACGTATGCCA	4137
TGCAGGACCAGAGAATTGGAATACAA CAACCTGNNNACGTATGCCA	3658	TGCAGGACCAGAGAATTGGAATACAA GCCGAAANNNACGTATGCCA	3898	TGCAGGACCAGAGAATTGGAATACAG CGATAGANNNACGTATGCCA	4138
TGCAGGACCAGAGAATTGGAATACAT CGTGCCNNNACGTATGCCA	3659	TGCAGGACCAGAGAATTGGAATACAC TCCTAACNNNACGTATGCCA	3899	TGCAGGACCAGAGAATTGGAATACAT TAACGTANNNACGTATGCCA	4139
TGCAGGACCAGAGAATTGGAATACAG ACTCTCTNNNACGTATGCCA	3660	TGCAGGACCAGAGAATTGGAATACAG AAGGCGCNNNACGTATGCCA	3900	TGCAGGACCAGAGAATTGGAATACAC CTTATATNNNACGTATGCCA	4140
TGCAGGACCAGAGAATTGGAATACAT ATAACACNNNACGTATGCCA	3661	TGCAGGACCAGAGAATTGGAATACAC GTTCACTNNNACGTATGCCA	3901	TGCAGGACCAGAGAATTGGAATACAA AACAGATNNNACGTATGCCA	4141
TGCAGGACCAGAGAATTGGAATACAT GAGCCTANNNACGTATGCCA	3662	TGCAGGACCAGAGAATTGGAATACAG AGATGTGNNNACGTATGCCA	3902	TGCAGGACCAGAGAATTGGAATACAT ACCCATCNNNACGTATGCCA	4142
TGCAGGACCAGAGAATTGGAATACAC AGACGAANNNACGTATGCCA	3663	TGCAGGACCAGAGAATTGGAATACAG CTCACTTNNNACGTATGCCA	3903	TGCAGGACCAGAGAATTGGAATACAA AAAGAGANNNACGTATGCCA	4143
TGCAGGACCAGAGAATTGGAATACAC GGAATGANNNACGTATGCCA	3664	TGCAGGACCAGAGAATTGGAATACAC GAAGCTTNNNACGTATGCCA	3904	TGCAGGACCAGAGAATTGGAATACAC GTTTGAANNNACGTATGCCA	4144
TGCAGGACCAGAGAATTGGAATACAG GTGATGANNNACGTATGCCA	3665	TGCAGGACCAGAGAATTGGAATACAT ACTCGAGNNNACGTATGCCA	3905	TGCAGGACCAGAGAATTGGAATACAA TGGATCANNNACGTATGCCA	4145
TGCAGGACCAGAGAATTGGAATACAC ACCTCTANNNACGTATGCCA	3666	TGCAGGACCAGAGAATTGGAATACAT TCTTGTANNNACGTATGCCA	3906	TGCAGGACCAGAGAATTGGAATACAG CTCGATANNNACGTATGCCA	4146
TGCAGGACCAGAGAATTGGAATACAA CTGGTACNNNACGTATGCCA	3667	TGCAGGACCAGAGAATTGGAATACAG AAGAAGGNNNACGTATGCCA	3907	TGCAGGACCAGAGAATTGGAATACAT GTAACCGNNNACGTATGCCA	4147
TGCAGGACCAGAGAATTGGAATACAG CAAATCCNNNACGTATGCCA	3668	TGCAGGACCAGAGAATTGGAATACAA GCCACGNNNACGTATGCCA	3908	TGCAGGACCAGAGAATTGGAATACAA TCTACTTNNNACGTATGCCA	4148
TGCAGGACCAGAGAATTGGAATACAA ATATAAANNNCTAGCGTTAC	3669	TGCAGGACCAGAGAATTGGAATACAC TATAGGNNNCTAGCGTTAC	3909	TGCAGGACCAGAGAATTGGAATACAG ATCGTACNNNCTAGCGTTAC	4149
TGCAGGACCAGAGAATTGGAATACAT GGTTATANNNCTAGCGTTAC	3670	TGCAGGACCAGAGAATTGGAATACAA GATCTTANNNCTAGCGTTAC	3910	TGCAGGACCAGAGAATTGGAATACAT GAACGTCNNNCTAGCGTTAC	4150
TGCAGGACCAGAGAATTGGAATACAA CCCGCTCANNNCTAGCGTTAC	3671	TGCAGGACCAGAGAATTGGAATACAA CAACCCANNNCTAGCGTTAC	3911	TGCAGGACCAGAGAATTGGAATACAT CCAACCTCANNNCTAGCGTTAC	4151
TGCAGGACCAGAGAATTGGAATACAT GCGAAGNNNCTAGCGTTAC	3672	TGCAGGACCAGAGAATTGGAATACAT GCTAACGNNNCTAGCGTTAC	3912	TGCAGGACCAGAGAATTGGAATACAG CGGAGGTNNNCTAGCGTTAC	4152
TGCAGGACCAGAGAATTGGAATACAC GTCTGCCNNNCTAGCGTTAC	3673	TGCAGGACCAGAGAATTGGAATACAT GTAGTCGNNNCTAGCGTTAC	3913	TGCAGGACCAGAGAATTGGAATACAT GCCCATNNNCTAGCGTTAC	4153

FIG. 17C

Pool-16	SEQ ID NO:	Pool-17	SEQ ID NO:	Pool-18	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
GTGTATNNNCTAGCGTTAC	3674	TGCTCGTNNNCTAGCGTTAC	3914	CGATCANNNNCTAGCGTTAC	4154
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
GCTACTANNNNCTAGCGTTAC	3675	GTAGGACNNNNCTAGCGTTAC	3915	AAGGTAANNNNCTAGCGTTAC	4155
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
CATCATANNNNCTAGCGTTAC	3676	AAAAAAANNNNCTAGCGTTAC	3916	CCTACGANNNNCTAGCGTTAC	4156
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
TTCCAGGNNNNCTAGCGTTAC	3677	GTTCATANNNNCTAGCGTTAC	3917	ACACCAANNNNCTAGCGTTAC	4157
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
TTTGTGTNNNNCTAGCGTTAC	3678	AAGGTACNNNNCTAGCGTTAC	3918	GGTCGGCANNNNCTAGCGTTAC	4158
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
GTGGACANNNNCTAGCGTTAC	3679	GAATGCCNNNNCTAGCGTTAC	3919	TATCTGTNNNNCTAGCGTTAC	4159
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
AGAGGTTNNNNCTAGCGTTAC	3680	CACCCGNNNNCTAGCGTTAC	3920	CGAGCCGNNNNCTAGCGTTAC	4160
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
TTCCCGGNNNNCTAGCGTTAC	3681	TAACGCANNNNCTAGCGTTAC	3921	ACCGATGNNNNCTAGCGTTAC	4161
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
CCTCCATNNNNCTAGCGTTAC	3682	CCCGTATNNNNCTAGCGTTAC	3922	AACGGATNNNNCTAGCGTTAC	4162
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
AAGAGGTTNNNNCTAGCGTTAC	3683	GATAGATNNNNCTAGCGTTAC	3923	TGTTCTANNNNCTAGCGTTAC	4163
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
AAAGTCGNNNNCTAGCGTTAC	3684	GAGTGATNNNNCTAGCGTTAC	3924	GTCTGCGNNNNCTAGCGTTAC	4164
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
GCAGAAANNNNCTAGCGTTAC	3685	TAGAGGCGNNNNCTAGCGTTAC	3925	TGCTTCGNNNNCTAGCGTTAC	4165
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
CTGGCAGNNNNCTAGCGTTAC	3686	CCCGCGCANNNNCTAGCGTTAC	3926	CAGGACTNNNNCTAGCGTTAC	4166
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GCAGATGNNNNCTAGCGTTAC	3687	CATAGTCNNNNCTAGCGTTAC	3927	AGACATANNNNCTAGCGTTAC	4167
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
GAGGCCGNNNNCTAGCGTTAC	3688	GATTCCGNNNNCTAGCGTTAC	3928	CATCGTTNNNNCTAGCGTTAC	4168
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
GTGCGTGNNNNNCTAGCGTTAC	3689	GAACGGTNNNNCTAGCGTTAC	3929	AACACCGNNNNCTAGCGTTAC	4169
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
GGTAGGANNNNCTAGCGTTAC	3690	CTTCAAGNNNNCTAGCGTTAC	3930	CTCCTCGNNNNCTAGCGTTAC	4170
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
GCGCCAAANNNNCTAGCGTTAC	3691	AATATCCNNNNCTAGCGTTAC	3931	CGGACTANNNNCTAGCGTTAC	4171
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
GAGCACTNNNNCTAGCGTTAC	3692	GTCCCCANNNNCTAGCGTTAC	3932	GCAACANNNNCTAGCGTTAC	4172
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
CATCGTGNNNNNCTAGCGTTAC	3693	CTAATCANNNNCTAGCGTTAC	3933	GAAACACNNNNCTAGCGTTAC	4173
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
GCCAAGANNNNCTAGCGTTAC	3694	GACGCCGNNNNCTAGCGTTAC	3934	ACACTCCNNNNCTAGCGTTAC	4174
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
GAGGACGNNNNCTAGCGTTAC	3695	CGTGCCANNNNCTAGCGTTAC	3935	GGACCTGNNNNCTAGCGTTAC	4175
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
GTGACTGNNNNCTAGCGTTAC	3696	AATTTGGANNNNCTAGCGTTAC	3936	TCCTGAGNNNNCTAGCGTTAC	4176
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
CCTTTGAGNNNNCTAGCGTTAC	3697	GTTCACGNNNNCTAGCGTTAC	3937	CCGTCTGNNNNCTAGCGTTAC	4177
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
TTAAGTTNNNNCTAGCGTTAC	3698	TCCGCAANNNNCTAGCGTTAC	3938	GCTCAATNNNNCTAGCGTTAC	4178
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
CCCAGGCGNNNNCTAGCGTTAC	3699	CAGATTANNNNCTAGCGTTAC	3939	TGCTTGANNNNCTAGCGTTAC	4179
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
CGATGATNNNNCTAGCGTTAC	3700	GCTAAGTNNNNCTAGCGTTAC	3940	TTAACTGNNNNCTAGCGTTAC	4180
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
ATCTCGANNNNCTAGCGTTAC	3701	ACACCTTNNNNCTAGCGTTAC	3941	CCAGATGNNNNCTAGCGTTAC	4181
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
GAGATGTNNNNCTAGCGTTAC	3702	AGCCTGTNNNNCTAGCGTTAC	3942	CGCGCGGNNNNCTAGCGTTAC	4182
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
AGGTAAANNNNCTAGCGTTAC	3703	GTCCAGCANNNNCTAGCGTTAC	3943	CATAGCANNNNCTAGCGTTAC	4183
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
CTCAGCANNNNCTAGCGTTAC	3704	GTCTGTTNNNNCTAGCGTTAC	3944	GTGGTGTNNNNCTAGCGTTAC	4184
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
GATAGCGNNNNCTAGCGTTAC	3705	AAATTTGNNNNCTAGCGTTAC	3945	GCAGATANNNNCTAGCGTTAC	4185
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
GAATTGCGNNNNCTAGCGTTAC	3706	ACGGTGTNNNNCTAGCGTTAC	3946	TGCAACGNNNNCTAGCGTTAC	4186

FIG. 17D

Pool-16	SEQ ID NO:	Pool-17	SEQ ID NO:	Pool-18	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATACAT	3707	TGCAGGACCAGAGAATTCGAATACAC	3947	TGCAGGACCAGAGAATTCGAATACAG	4187
ACCAGGTNNNNCTAGCGTTAC		CGACCAGNNNNCTAGCGTTAC		CGCGCCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	3708	TGCAGGACCAGAGAATTCGAATACAT	3948	TGCAGGACCAGAGAATTCGAATACAC	4188
ATACTCTNNNNCTAGCGTTAC		GATAAAGNNNNCTAGCGTTAC		AAAGTGGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3709	TGCAGGACCAGAGAATTCGAATACAT	3949	TGCAGGACCAGAGAATTCGAATACAT	4189
GCTTCTCNNNNCTAGCGTTAC		ATGGCTGNNNNCTAGCGTTAC		AAAAGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3710	TGCAGGACCAGAGAATTCGAATACAC	3950	TGCAGGACCAGAGAATTCGAATACAA	4190
CCTGAGTNNNNCTAGCGTTAC		CCCTCCTNNNNCTAGCGTTAC		TCTGTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	3711	TGCAGGACCAGAGAATTCGAATACAT	3951	TGCAGGACCAGAGAATTCGAATACAC	4191
ATAGATTNNNNCTAGCGTTAC		CTTACCGNNNNCTAGCGTTAC		GTATATANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3712	TGCAGGACCAGAGAATTCGAATACAG	3952	TGCAGGACCAGAGAATTCGAATACAG	4192
GCGGAATNNNNCTAGCGTTAC		CAATCGTNNNNCTAGCGTTAC		GTATTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	3713	TGCAGGACCAGAGAATTCGAATACAC	3953	TGCAGGACCAGAGAATTCGAATACAT	4193
GCATGCCNNNNCTAGCGTTAC		TAGCGCGNNNNCTAGCGTTAC		ACAAACTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	3714	TGCAGGACCAGAGAATTCGAATACAT	3954	TGCAGGACCAGAGAATTCGAATACAC	4194
ATATCCGNNNNCTAGCGTTAC		ACTCTGCNNNNCTAGCGTTAC		TCTTAATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	3715	TGCAGGACCAGAGAATTCGAATACAA	3955	TGCAGGACCAGAGAATTCGAATACAG	4195
CTCAGTCNNNNCTAGCGTTAC		TGGCAGANNNNCTAGCGTTAC		GTCTGATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	3716	TGCAGGACCAGAGAATTCGAATACAC	3956	TGCAGGACCAGAGAATTCGAATACAT	4196
TTCAAGGNNNNCTAGCGTTAC		GAGGTTTNNNNCTAGCGTTAC		CAGGAAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAT	3717	TGCAGGACCAGAGAATTCGAATACAC	3957	TGCAGGACCAGAGAATTCGAATACAC	4197
CAGTAATNNNNCTAGCGTTAC		CAGCTAANNNNCTAGCGTTAC		ACGCTTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	3718	TGCAGGACCAGAGAATTCGAATACAT	3958	TGCAGGACCAGAGAATTCGAATACAG	4198
CGGCCAANNNNCTAGCGTTAC		GTGCCGNNNNCTAGCGTTAC		GCGGCCAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3719	TGCAGGACCAGAGAATTCGAATACAT	3959	TGCAGGACCAGAGAATTCGAATACAG	4199
TGATCATNNNNCTAGCGTTAC		GCCGTTTNNNNCTAGCGTTAC		AAGTTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAG	3720	TGCAGGACCAGAGAATTCGAATACAC	3960	TGCAGGACCAGAGAATTCGAATACAG	4200
GCGCGTTNNNNCTAGCGTTAC		TCCGTGCGNNNNCTAGCGTTAC		CAGGTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3721	TGCAGGACCAGAGAATTCGAATACAG	3961	TGCAGGACCAGAGAATTCGAATACAT	4201
GTCCGCGNNNNCTAGCGTTAC		CACAATCNNNNCTAGCGTTAC		GTAATCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	3722	TGCAGGACCAGAGAATTCGAATACAC	3962	TGCAGGACCAGAGAATTCGAATACAG	4202
ACTGGTANNNNCTAGCGTTAC		ATCGTGANNNNCTAGCGTTAC		TCAACCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	3723	TGCAGGACCAGAGAATTCGAATACAC	3963	TGCAGGACCAGAGAATTCGAATACAG	4203
TAAGACNNNNCTAGCGTTAC		AAGGTTTNNNNCTAGCGTTAC		AGCAACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3724	TGCAGGACCAGAGAATTCGAATACAG	3964	TGCAGGACCAGAGAATTCGAATACAA	4204
CGCTACANNNNCTAGCGTTAC		AAAGGTCNNNNCTAGCGTTAC		CCGTCCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3725	TGCAGGACCAGAGAATTCGAATACAA	3965	TGCAGGACCAGAGAATTCGAATACAT	4205
CCAAAAANNNNCTAGCGTTAC		GAAGGTCNNNNCTAGCGTTAC		AGGCGCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	3726	TGCAGGACCAGAGAATTCGAATACAC	3966	TGCAGGACCAGAGAATTCGAATACAG	4206
GAGTGCCNNNNCTAGCGTTAC		CATGCTTNNNNCTAGCGTTAC		AAGCAGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3727	TGCAGGACCAGAGAATTCGAATACAT	3967	TGCAGGACCAGAGAATTCGAATACAT	4207
ACCGGAANNNNCTAGCGTTAC		TCAACTTNNNNCTAGCGTTAC		TGGTATANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAA	3728	TGCAGGACCAGAGAATTCGAATACAT	3968	TGCAGGACCAGAGAATTCGAATACAG	4208
AAAGCATNNNNCTAGCGTTAC		CTGGCAANNNNCTAGCGTTAC		AAGTGTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATACAC	3729	TGCAGGACCAGAGAATTCGAATACAG	3969	TGCAGGACCAGAGAATTCGAATACAC	4209
CCCCGGCNNNGATCGACATG		TTTACAANNNGATCGACATG		TGCTTTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAT	3730	TGCAGGACCAGAGAATTCGAATACAA	3970	TGCAGGACCAGAGAATTCGAATACAG	4210
TGGTTGGNNNGATCGACATG		CCCACAANNNGATCGACATG		TTCCGCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAT	3731	TGCAGGACCAGAGAATTCGAATACAG	3971	TGCAGGACCAGAGAATTCGAATACAC	4211
CCACGTTNNNGATCGACATG		GCTCATANNNGATCGACATG		GACTATGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAA	3732	TGCAGGACCAGAGAATTCGAATACAA	3972	TGCAGGACCAGAGAATTCGAATACAC	4212
TGAAGTANNNGATCGACATG		GCATTGCGNNNGATCGACATG		TGTAGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAA	3733	TGCAGGACCAGAGAATTCGAATACAA	3973	TGCAGGACCAGAGAATTCGAATACAC	4213
CAATAAGNNNGATCGACATG		ACCCGATNNNGATCGACATG		GCGGTGANNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAC	3734	TGCAGGACCAGAGAATTCGAATACAT	3974	TGCAGGACCAGAGAATTCGAATACAT	4214
ATGTTTTNNNGATCGACATG		GACCAACNNNGATCGACATG		CCATGAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAT	3735	TGCAGGACCAGAGAATTCGAATACAG	3975	TGCAGGACCAGAGAATTCGAATACAG	4215
CCGGTCCNNNGATCGACATG		CCGAGGANNNGATCGACATG		GCTCCCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAG	3736	TGCAGGACCAGAGAATTCGAATACAA	3976	TGCAGGACCAGAGAATTCGAATACAA	4216
TTACGTGNNNGATCGACATG		ATATGGANNNGATCGACATG		GCCTAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAG	3737	TGCAGGACCAGAGAATTCGAATACAT	3977	TGCAGGACCAGAGAATTCGAATACAC	4217
GTCTTGNNNGATCGACATG		TTCCGTCNNNGATCGACATG		GAGGAATNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAC	3738	TGCAGGACCAGAGAATTCGAATACAT	3978	TGCAGGACCAGAGAATTCGAATACAC	4218
GTACAGNNNGATCGACATG		TAGGTTANNNGATCGACATG		CCGAGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATACAC	3739	TGCAGGACCAGAGAATTCGAATACAA	3979	TGCAGGACCAGAGAATTCGAATACAT	4219
ATAAGTTNNNGATCGACATG		ACCGGTTNNNGATCGACATG		ACAATACNNNGATCGACATG	

FIG. 17E

Pool-16	SEQ ID NO:	Pool-17	SEQ ID NO:	Pool-18	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
AATCCTANNNGATCGACATG	3740	GGTAAGCANNNGATCGACATG	3980	AACATGTNNNGATCGACATG	4220
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
ATCATGNNNGATCGACATG	3741	ATTGACTNNNGATCGACATG	3981	TTGCGGCNNNGATCGACATG	4221
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
TCACTGNNNGATCGACATG	3742	ACTGTAAANNNGATCGACATG	3982	TCTGCAGNNNGATCGACATG	4222
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
TGCCGCCNNNGATCGACATG	3743	TCTCTGGNNNGATCGACATG	3983	GTAGTCNNNGATCGACATG	4223
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
GTCTGTNNNGATCGACATG	3744	GAAGAAANNNGATCGACATG	3984	TTAAGATNNNGATCGACATG	4224
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
GGGGTCTNNNGATCGACATG	3745	AATGAACNNNGATCGACATG	3985	TCTTACANNNGATCGACATG	4225
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
CCACGCGNNNGATCGACATG	3746	ACACACNNNGATCGACATG	3986	CTCAGTANNNGATCGACATG	4226
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
CCTTTAANNNGATCGACATG	3747	AAATGCTNNNGATCGACATG	3987	GTACTACNNNGATCGACATG	4227
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
TACAAGTNNNGATCGACATG	3748	CCGGTTANNNGATCGACATG	3988	AGTATGTNNNGATCGACATG	4228
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
CGAGGAANNNGATCGACATG	3749	CGCGGTANNNGATCGACATG	3989	AGCATCCNNNGATCGACATG	4229
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
AGACTCANNNGATCGACATG	3750	GTAGACTNNNGATCGACATG	3990	CTAAAGANNNGATCGACATG	4230
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
CTTAGGNNNGATCGACATG	3751	GAAGTCANNNGATCGACATG	3991	CTTTAAGNNNGATCGACATG	4231
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
TCTTACTNNNGATCGACATG	3752	GAATTGANNNGATCGACATG	3992	CGAATAANNNGATCGACATG	4232
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
AAGAGAANNNGATCGACATG	3753	CCCCTTANNNGATCGACATG	3993	AGCGTCCANNNGATCGACATG	4233
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
CAGCAGANNNGATCGACATG	3754	ACAGACNNNGATCGACATG	3994	TCATCCNNNGATCGACATG	4234
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
GAGTACNNNGATCGACATG	3755	TTAGACTNNNGATCGACATG	3995	AAACAACNNNGATCGACATG	4235
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
ACTGTCCNNNGATCGACATG	3756	ACTAGACNNNGATCGACATG	3996	TATCAGNNNGATCGACATG	4236
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
CGAGGCCNNNGATCGACATG	3757	CCCTAAANNNGATCGACATG	3997	ACTGTCCNNNGATCGACATG	4237
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
TCCATAGNNNGATCGACATG	3758	GAGTGGTNNNGATCGACATG	3998	GGACACANNNGATCGACATG	4238
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
ACTGTTGNNNGATCGACATG	3759	TCTGAATNNNGATCGACATG	3999	TGACGTTNNNGATCGACATG	4239
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
CACACTGNNNGATCGACATG	3760	GCATCACNNNGATCGACATG	4000	TTGTACNNNGATCGACATG	4240
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
GGTGACANNNGATCGACATG	3761	ATTGGAANNNGATCGACATG	4001	GATGCGGNNNGATCGACATG	4241
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
AACAATGNNNGATCGACATG	3762	TAGCCCCNNNGATCGACATG	4002	TGATTGGNNNGATCGACATG	4242
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
ATTTGTANNNGATCGACATG	3763	CTTGCTGNNNGATCGACATG	4003	CAACTCANNNGATCGACATG	4243
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
CCCCGATNNNGATCGACATG	3764	CGTCCTGNNNGATCGACATG	4004	ACCTCACNNNGATCGACATG	4244
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
GGAGCGCANNNGATCGACATG	3765	CTAACGANNNGATCGACATG	4005	GCACCCNNNGATCGACATG	4245
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
CCTGGAGNNNGATCGACATG	3766	AAATAGCANNNGATCGACATG	4006	TTCTTACNNNGATCGACATG	4246
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
GCACTCCNNNGATCGACATG	3767	AGCACTCANNNGATCGACATG	4007	ACTGTTNNNGATCGACATG	4247
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
AAGTCAGNNNGATCGACATG	3768	TTCAACGNNNGATCGACATG	4008	TTCATATNNNGATCGACATG	4248
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
GGCTCGTNNNGATCGACATG	3769	GTCTGTTNNNGATCGACATG	4009	CTGCTGTNNNGATCGACATG	4249
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
ATTGTCCNNNGATCGACATG	3770	CACGGCTNNNGATCGACATG	4010	GGTATTANNNGATCGACATG	4250
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
AGTAACNNNGATCGACATG	3771	CCCAAACNNNGATCGACATG	4011	GAATGTANNNGATCGACATG	4251
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
AGATGTTNNNGATCGACATG	3772	ATAAACTNNNGATCGACATG	4012	GCGAGCANNNGATCGACATG	4252

FIG. 17F

Pool-16	SEQ ID NO:	Pool-17	SEQ ID NO:	Pool-18	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
ATCAGCGNNNGATCGACATG	3773	CGTAAGCNNNGATCGACATG	4013	CCACAATNNNGATCGACATG	4253
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
CTTGGCANNNGATCGACATG	3774	AGCTTGTNNNGATCGACATG	4014	ATTCTCANNNGATCGACATG	4254
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
GGTACCGNNNGATCGACATG	3775	TTTTGTTNNNGATCGACATG	4015	AGACCTCANNNGATCGACATG	4255
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
GTACATNNNGATCGACATG	3776	GAGTAGGNNNGATCGACATG	4016	ACATAATNNNGATCGACATG	4256
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
ACTTAANNNGATCGACATG	3777	GAGTCTGNNNGATCGACATG	4017	CCCTGAANNNGATCGACATG	4257
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
TTACCTANNNGATCGACATG	3778	GAAGCTGNNNGATCGACATG	4018	TAGACCTNNNGATCGACATG	4258
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
AGTTGGCANNNGATCGACATG	3779	AGAAGCGNNNGATCGACATG	4019	CCTACCGNNNGATCGACATG	4259
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
AGACATGNNNGATCGACATG	3780	CTTATGGNNNGATCGACATG	4020	ATCCCCACNNNGATCGACATG	4260
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
AGGCATANNNGATCGACATG	3781	GCATCTGNNNGATCGACATG	4021	GTCAATTANNNGATCGACATG	4261
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
CTGCTCGNNNGATCGACATG	3782	CCGCTTANNNGATCGACATG	4022	GAACAACNNNGATCGACATG	4262
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
TGCTAGGNNNGATCGACATG	3783	TTATAGGNNNGATCGACATG	4023	TCTCTGNNNGATCGACATG	4263
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
CCCCGACNNNGATCGACATG	3784	TGCTTAANNNGATCGACATG	4024	TGTACCTNNNGATCGACATG	4264
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
ACGAATCANNNGATCGACATG	3785	AGCGTACNNNGATCGACATG	4025	ATCCAGTNNNGATCGACATG	4265
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
CGTCGCANNNGATCGACATG	3786	GAGAAAANNNGATCGACATG	4026	AAGTTCCANNNGATCGACATG	4266
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
ATCCAATNNNGATCGACATG	3787	GTCTCGTNNNGATCGACATG	4027	CGTTAGANNNGATCGACATG	4267
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
GGCAACNNNGATCGACATG	3788	GTTATGGNNNGATCGACATG	4028	AGAGACNNNGATCGACATG	4268
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
ATGATCANNNNGCATCAGGT	3789	ATTGAGTNNNTGCATCAGGT	4029	GCCCTACNNNTGCATCAGGT	4269
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
TGGCACANNNTGCATCAGGT	3790	ATAGAGTNNNTGCATCAGGT	4030	ACGGCCTNNNTGCATCAGGT	4270
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
TACACCTNNNTGCATCAGGT	3791	AGACATCNNNTGCATCAGGT	4031	GCGGAGANNNTGCATCAGGT	4271
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
TAGAGTTNNNTGCATCAGGT	3792	AAGCCAANNNTGCATCAGGT	4032	CGATAAGNNNTGCATCAGGT	4272
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
GTGTTGTNNNTGCATCAGGT	3793	AGTCCAANNNTGCATCAGGT	4033	CGCTAGTNNNTGCATCAGGT	4273
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT	
CAGACGCGNNNTGCATCAGGT	3794	TCCGACTNNNTGCATCAGGT	4034	TTGAATGNNNTGCATCAGGT	4274
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
GTGGCANNNTGCATCAGGT	3795	CAGTATTNNNTGCATCAGGT	4035	ATTAAATNNNTGCATCAGGT	4275
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
CTTCCTCANNNTGCATCAGGT	3796	AGAATATNNNTGCATCAGGT	4036	GTGTTGANNNNTGCATCAGGT	4276
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
AAGATAANNNTGCATCAGGT	3797	GTAAGGCNNNTGCATCAGGT	4037	AGCTTATNNNTGCATCAGGT	4277
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
ACTAGCGNNNTGCATCAGGT	3798	GCGTATCANNNTGCATCAGGT	4038	CCCAGCTNNNTGCATCAGGT	4278
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
ACACAAGNNNTGCATCAGGT	3799	ACGGTTGNNNTGCATCAGGT	4039	TCGTCAANNNTGCATCAGGT	4279
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
TTACCTCANNNTGCATCAGGT	3800	AGGAAGGNNNTGCATCAGGT	4040	ACATCGGNNNTGCATCAGGT	4280
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
CTACCACNNNTGCATCAGGT	3801	ATTGGACNNNTGCATCAGGT	4041	ACTTTCNNNTGCATCAGGT	4281
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT	
AGTCGTGNNNTGCATCAGGT	3802	AAGGCTCANNNTGCATCAGGT	4042	GCCCTATNNNTGCATCAGGT	4282
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
ATGCAGGNNNTGCATCAGGT	3803	GAAGCGGNNNTGCATCAGGT	4043	GACGGAAANNNTGCATCAGGT	4283
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
ATGGACTNNNTGCATCAGGT	3804	ACGATTNNNTGCATCAGGT	4044	CTGCCGANNNTGCATCAGGT	4284
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
TGCGAGTNNNTGCATCAGGT	3805	TCGATACNNNTGCATCAGGT	4045	CATATAGNNNTGCATCAGGT	4285

FIG. 17G

Pool-16	SEQ ID NO:	Pool-17	SEQ ID NO:	Pool-18	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
TGCAAGCANNNTGCATCAGGT	3806	ATCAATANNNTGCATCAGGT	4046	GTGCGATNNNTGCATCAGGT	4286
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
CTCGGAGNNNTGCATCAGGT	3807	ACACATGNNNTGCATCAGGT	4047	ACGATCANNNTGCATCAGGT	4287
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
AACATTGNNNTGCATCAGGT	3808	CAGCGAGNNNTGCATCAGGT	4048	ACTGCCGNNNTGCATCAGGT	4288
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
AGGTTAGNNNTGCATCAGGT	3809	ACGGCTANNNTGCATCAGGT	4049	TGGTCATNNNTGCATCAGGT	4289
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
GAAACTANNNTGCATCAGGT	3810	AGCAGANNNTGCATCAGGT	4050	GTGAGCTNNNTGCATCAGGT	4290
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
CCACCTANNNTGCATCAGGT	3811	AGATTAGNNNTGCATCAGGT	4051	ACCGTCANNNTGCATCAGGT	4291
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
CCTTCCTNNNTGCATCAGGT	3812	CAAAGACNNNTGCATCAGGT	4052	TTACAGTNNNTGCATCAGGT	4292
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
ACTCCGANNNTGCATCAGGT	3813	TAAACAGNNNTGCATCAGGT	4053	CAATAAANNNTGCATCAGGT	4293
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
ATTAGCTNNNTGCATCAGGT	3814	TCCAAAANNNTGCATCAGGT	4054	GCTTAGCNNNTGCATCAGGT	4294
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
TAGTAAGNNNTGCATCAGGT	3815	GGTATCGNNNTGCATCAGGT	4055	CATTGCCNNNTGCATCAGGT	4295
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
TTTTACTNNNTGCATCAGGT	3816	ACACTTANNNTGCATCAGGT	4056	ACTATAANNNTGCATCAGGT	4296
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
GCAATTGNNNTGCATCAGGT	3817	CCGTGGCNNNTGCATCAGGT	4057	TGCGTCCNNNTGCATCAGGT	4297
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
GAGGCGTNNNTGCATCAGGT	3818	GTCTAGCNNNTGCATCAGGT	4058	GATGAGANNNTGCATCAGGT	4298
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
TAACTGCGNNNTGCATCAGGT	3819	GACTCCANNNTGCATCAGGT	4059	AGAAGGCNNNTGCATCAGGT	4299
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GTCAACGNNNTGCATCAGGT	3820	CAGGATTNNNTGCATCAGGT	4060	TACACCGNNNTGCATCAGGT	4300
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
GATTTTTNNNTGCATCAGGT	3821	GAATGATNNNTGCATCAGGT	4061	CCAGCAANNNTGCATCAGGT	4301
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
CGTATTNNNTGCATCAGGT	3822	CGACATCNNNTGCATCAGGT	4062	TGTTCCNNNTGCATCAGGT	4302
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
CCGCGATNNNTGCATCAGGT	3823	TAAAAACNNNTGCATCAGGT	4063	AAACGTGNNNTGCATCAGGT	4303
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
GCCCTAGNNNTGCATCAGGT	3824	TTAAACACNNNTGCATCAGGT	4064	CCTCTAANNNTGCATCAGGT	4304
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
ACAGGCANNNTGCATCAGGT	3825	CAAATTCNNNTGCATCAGGT	4065	CCGAGCCNNNTGCATCAGGT	4305
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
CCTATGNNNTGCATCAGGT	3826	GTCCATTNNNTGCATCAGGT	4066	CGCCCTNNNTGCATCAGGT	4306
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
GTGTGANNNTGCATCAGGT	3827	GAAATCANNNTGCATCAGGT	4067	AATAGACNNNTGCATCAGGT	4307
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
TGGAATCANNNTGCATCAGGT	3828	AATCACTNNNTGCATCAGGT	4068	GACACTGNNNTGCATCAGGT	4308
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
CGGACCGNNNTGCATCAGGT	3829	TCCACGCGNNNTGCATCAGGT	4069	GCGCGAGNNNTGCATCAGGT	4309
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
AACATAGNNNTGCATCAGGT	3830	AATAATGNNNTGCATCAGGT	4070	CAGAAGTNNNTGCATCAGGT	4310
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
GAAAGCGTNNNTGCATCAGGT	3831	GTGACCAANNNTGCATCAGGT	4071	GCTGATNNNTGCATCAGGT	4311
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
CCTCACGNNNTGCATCAGGT	3832	CGATTAAANNNTGCATCAGGT	4072	TAGAATANNNTGCATCAGGT	4312
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
ACTGTGCGNNNTGCATCAGGT	3833	GCCAAATNNNTGCATCAGGT	4073	CATCGAANNNTGCATCAGGT	4313
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
CTTGGAGNNNTGCATCAGGT	3834	TTGTAAANNNTGCATCAGGT	4074	TGCCCTACNNNTGCATCAGGT	4314
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TGAAATANNNTGCATCAGGT	3835	ATTAGAGNNNTGCATCAGGT	4075	CTCCCATNNNTGCATCAGGT	4315
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
GCTTCTGNNNTGCATCAGGT	3836	AGCTTGGNNNTGCATCAGGT	4076	TTTCCACNNNTGCATCAGGT	4316
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
GACTTCCNNNTGCATCAGGT	3837	TAGGAGCNNNTGCATCAGGT	4077	ATATTGNNNTGCATCAGGT	4317
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
CCGGATGNNNTGCATCAGGT	3838	TATACTCNNNTGCATCAGGT	4078	CTGAGGANNNTGCATCAGGT	4318

FIG. 17H

Pool-16	SEQ ID NO:	Pool-17	SEQ ID NO:	Pool-18	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATACAG AGGACATNNNTGCATCAGGT	3839	TGCAGGACCAGAGAATTCGAATACAT TGTTGCCNNNTGCATCAGGT	4079	TGCAGGACCAGAGAATTCGAATACAG TAGTCTGNNNTGCATCAGGT	4319
TGCAGGACCAGAGAATTCGAATACAC AGGTATCNNNTGCATCAGGT	3840	TGCAGGACCAGAGAATTCGAATACAT TCCGAGANNNTGCATCAGGT	4080	TGCAGGACCAGAGAATTCGAATACAT GTAAATCNNNTGCATCAGGT	4320
TGCAGGACCAGAGAATTCGAATACAG TAGTATTNNNTGCATCAGGT	3841	TGCAGGACCAGAGAATTCGAATACAA TCCCATCNNNTGCATCAGGT	4081	TGCAGGACCAGAGAATTCGAATACAG CATATGCNNNTGCATCAGGT	4321
TGCAGGACCAGAGAATTCGAATACAA AGGAGANNNTGCATCAGGT	3842	TGCAGGACCAGAGAATTCGAATACAT TTGCCACNNNTGCATCAGGT	4082	TGCAGGACCAGAGAATTCGAATACAA TTCGTAANNNTGCATCAGGT	4322
TGCAGGACCAGAGAATTCGAATACAA AGAGCCANNNTGCATCAGGT	3843	TGCAGGACCAGAGAATTCGAATACAG TGAGCGGNNNTGCATCAGGT	4083	TGCAGGACCAGAGAATTCGAATACAA ATCCACGNNNTGCATCAGGT	4323
TGCAGGACCAGAGAATTCGAATACAG TCTCTCANNNTGCATCAGGT	3844	TGCAGGACCAGAGAATTCGAATACAT CGCATCTNNNTGCATCAGGT	4084	TGCAGGACCAGAGAATTCGAATACAG CGCCGCGNNNTGCATCAGGT	4324
TGCAGGACCAGAGAATTCGAATACAA CGGTGTTNNNTGCATCAGGT	3845	TGCAGGACCAGAGAATTCGAATACAT CTGCAGANNNTGCATCAGGT	4085	TGCAGGACCAGAGAATTCGAATACAG GCTCGACNNNTGCATCAGGT	4325
TGCAGGACCAGAGAATTCGAATACAC GTACGATNNNTGCATCAGGT	3846	TGCAGGACCAGAGAATTCGAATACAG CCCAAGCNNNTGCATCAGGT	4086	TGCAGGACCAGAGAATTCGAATACAA CCCCGAGNNNTGCATCAGGT	4326
TGCAGGACCAGAGAATTCGAATACAG AGGTGTANNNTGCATCAGGT	3847	TGCAGGACCAGAGAATTCGAATACAT TTCTCGGNNNTGCATCAGGT	4087	TGCAGGACCAGAGAATTCGAATACAA GTCACCANNNTGCATCAGGT	4327
TGCAGGACCAGAGAATTCGAATACAC ACCACAANNNTGCATCAGGT	3848	TGCAGGACCAGAGAATTCGAATACAG GCCTACGNNNTGCATCAGGT	4088	TGCAGGACCAGAGAATTCGAATACAA AAATTCNNNTGCATCAGGT	4328

FIG. 18A

Pool-19	SEQ ID NO:	Pool-20	SEQ ID NO:	Pool-21	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	4329	TGCAGGACCAGAGAATTGGAATA	4569	TGCAGGACCAGAGAATTGGAATA	4809
CAGCCCTCTGNNNACGTATGCCA		CATGTTGTCCNNNACGTATGCCA		CATGAACAANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4330	TGCAGGACCAGAGAATTGGAATA	4570	TGCAGGACCAGAGAATTGGAATA	4810
CAGCAAAGGTNNNACGTATGCCA		CATAACCAGCINNACGTATGCCA		CACCGTTGCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4331	TGCAGGACCAGAGAATTGGAATA	4571	TGCAGGACCAGAGAATTGGAATA	4811
CATTTCTATGNNNACGTATGCCA		CATGGCGACNNNACGTATGCCA		CAGCATTTGTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4332	TGCAGGACCAGAGAATTGGAATA	4572	TGCAGGACCAGAGAATTGGAATA	4812
CACGTGCCAATNNNACGTATGCCA		CAATCGTCTCINNACGTATGCCA		CATAGGCCATNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4333	TGCAGGACCAGAGAATTGGAATA	4573	TGCAGGACCAGAGAATTGGAATA	4813
CAGTTTAGGNNNACGTATGCCA		CATCGCGACNNNACGTATGCCA		CAACTCTCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4334	TGCAGGACCAGAGAATTGGAATA	4574	TGCAGGACCAGAGAATTGGAATA	4814
CAAAAAATGACNNNACGTATGCCA		CATTACTGAANNNACGTATGCCA		CACTAGGCGCINNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4335	TGCAGGACCAGAGAATTGGAATA	4575	TGCAGGACCAGAGAATTGGAATA	4815
CACTACTAGGNNNACGTATGCCA		CAAGGTCGCGCINNACGTATGCCA		CAAGTTTATGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4336	TGCAGGACCAGAGAATTGGAATA	4576	TGCAGGACCAGAGAATTGGAATA	4816
CACACCAGGNNNACGTATGCCA		CAGTGCCCTCINNACGTATGCCA		CATTGATACANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4337	TGCAGGACCAGAGAATTGGAATA	4577	TGCAGGACCAGAGAATTGGAATA	4817
CAGCCGCTTNNNACGTATGCCA		CAGGTCGACNNNACGTATGCCA		CAACAATTACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4338	TGCAGGACCAGAGAATTGGAATA	4578	TGCAGGACCAGAGAATTGGAATA	4818
CACAACGTCCANNNACGTATGCCA		CATAGCCCAACNNNACGTATGCCA		CAATACCGGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4339	TGCAGGACCAGAGAATTGGAATA	4579	TGCAGGACCAGAGAATTGGAATA	4819
CATCTCAAGGNNNACGTATGCCA		CAATATACANNNACGTATGCCA		CATGAAGCCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4340	TGCAGGACCAGAGAATTGGAATA	4580	TGCAGGACCAGAGAATTGGAATA	4820
CATCATAAACNNNACGTATGCCA		CATAAAATCCNNNACGTATGCCA		CATTACCTGCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4341	TGCAGGACCAGAGAATTGGAATA	4581	TGCAGGACCAGAGAATTGGAATA	4821
CATCCTCCCGNNNACGTATGCCA		CAGATGGTGANNNACGTATGCCA		CATATCAGATTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4342	TGCAGGACCAGAGAATTGGAATA	4582	TGCAGGACCAGAGAATTGGAATA	4822
CAAGTAACCCNNNACGTATGCCA		CAGAACGTAGNNNACGTATGCCA		CAGAGAATTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4343	TGCAGGACCAGAGAATTGGAATA	4583	TGCAGGACCAGAGAATTGGAATA	4823
CAGTGACAAGNNNACGTATGCCA		CAATATTAAATNNNACGTATGCCA		CAGATCAGCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4344	TGCAGGACCAGAGAATTGGAATA	4584	TGCAGGACCAGAGAATTGGAATA	4824
CAGCAATACCCNNNACGTATGCCA		CATCTGAATTNNNACGTATGCCA		CAAGGTAGACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4345	TGCAGGACCAGAGAATTGGAATA	4585	TGCAGGACCAGAGAATTGGAATA	4825
CAATATAGCTTNNNACGTATGCCA		CAGTCCGAGCINNACGTATGCCA		CATTGACCGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4346	TGCAGGACCAGAGAATTGGAATA	4586	TGCAGGACCAGAGAATTGGAATA	4826
CACCATGTAGNNNACGTATGCCA		CACCTGGTAANNNACGTATGCCA		CACCACTGTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4347	TGCAGGACCAGAGAATTGGAATA	4587	TGCAGGACCAGAGAATTGGAATA	4827
CACCCAACGNNNACGTATGCCA		CACCCTAGAANNNACGTATGCCA		CAGTCAGAAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4348	TGCAGGACCAGAGAATTGGAATA	4588	TGCAGGACCAGAGAATTGGAATA	4828
CAGCGGTTGCNNNACGTATGCCA		CATTAAAGTCNNNACGTATGCCA		CACCGACCTCINNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4349	TGCAGGACCAGAGAATTGGAATA	4589	TGCAGGACCAGAGAATTGGAATA	4829
CAGTGATCTGNNNACGTATGCCA		CAACGTGGCCNNNACGTATGCCA		CAATTAGTGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4350	TGCAGGACCAGAGAATTGGAATA	4590	TGCAGGACCAGAGAATTGGAATA	4830
CATAAGCCGTTNNNACGTATGCCA		CAGCTATCCTNNNACGTATGCCA		CAGCATAACANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4351	TGCAGGACCAGAGAATTGGAATA	4591	TGCAGGACCAGAGAATTGGAATA	4831
CATGTTTGTNNNACGTATGCCA		CAAGCGTTGTNNNACGTATGCCA		CAAGTTTTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4352	TGCAGGACCAGAGAATTGGAATA	4592	TGCAGGACCAGAGAATTGGAATA	4832
CAACGAGCGGNNNACGTATGCCA		CACCTTCGCTANNNACGTATGCCA		CATTCCGCTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4353	TGCAGGACCAGAGAATTGGAATA	4593	TGCAGGACCAGAGAATTGGAATA	4833
CATAGATCGCINNACGTATGCCA		CACATTTTGTNNNACGTATGCCA		CATGGAGCCCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4354	TGCAGGACCAGAGAATTGGAATA	4594	TGCAGGACCAGAGAATTGGAATA	4834
CATGATACGNNNACGTATGCCA		CAAACTTCGNNNACGTATGCCA		CACGTGGCACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4355	TGCAGGACCAGAGAATTGGAATA	4595	TGCAGGACCAGAGAATTGGAATA	4835
CATAGTTACANNNACGTATGCCA		CATACCGTGANNNACGTATGCCA		CATCTTACTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4356	TGCAGGACCAGAGAATTGGAATA	4596	TGCAGGACCAGAGAATTGGAATA	4836
CACCTTGGTGANNNACGTATGCCA		CAAGCTTTTNNNACGTATGCCA		CAATCCGGTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4357	TGCAGGACCAGAGAATTGGAATA	4597	TGCAGGACCAGAGAATTGGAATA	4837
CATTAACTCINNACGTATGCCA		CATGTTCTCGNNNACGTATGCCA		CAGACACCTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4358	TGCAGGACCAGAGAATTGGAATA	4598	TGCAGGACCAGAGAATTGGAATA	4838
CATTAGACGNNNACGTATGCCA		CAAAATCGGCTNNNACGTATGCCA		CATCCGCTCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4359	TGCAGGACCAGAGAATTGGAATA	4599	TGCAGGACCAGAGAATTGGAATA	4839
CAACACCAGTNNNACGTATGCCA		CATGAACCAANNNACGTATGCCA		CAAGATTACTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4360	TGCAGGACCAGAGAATTGGAATA	4600	TGCAGGACCAGAGAATTGGAATA	4840
CAACCAGGAANNNACGTATGCCA		CAATTTTCATCINNACGTATGCCA		CAAGATTGAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4361	TGCAGGACCAGAGAATTGGAATA	4601	TGCAGGACCAGAGAATTGGAATA	4841
CAATGCATGCNNNACGTATGCCA		CACAGTCACANNNACGTATGCCA		CATTTAAAGCINNACGTATGCCA	

FIG. 18B

Pool-19	SEQ ID NO:	Pool-20	SEQ ID NO:	Pool-21	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	4362	TGCAGGACCAGAGAATTGGAATA	4602	TGCAGGACCAGAGAATTGGAATA	4842
CATACACATANNNNACGTATGCCA		CACCCATAGANNNNACGTATGCCA		CAGAATTGCCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4363	TGCAGGACCAGAGAATTGGAATA	4603	TGCAGGACCAGAGAATTGGAATA	4843
CATCTTTCAANNNNACGTATGCCA		CACAGAATGGNNNNACGTATGCCA		CATTAGCTCCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4364	TGCAGGACCAGAGAATTGGAATA	4604	TGCAGGACCAGAGAATTGGAATA	4844
CACATATCAANNNNACGTATGCCA		CAGTATGAANNNNACGTATGCCA		CAATGAGGACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4365	TGCAGGACCAGAGAATTGGAATA	4605	TGCAGGACCAGAGAATTGGAATA	4845
CATTACCAANNNNACGTATGCCA		CAGTTTAACTNNNNACGTATGCCA		CAATTGTTAGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4366	TGCAGGACCAGAGAATTGGAATA	4606	TGCAGGACCAGAGAATTGGAATA	4846
CACCGCGATNNNNACGTATGCCA		CAGCGTTATGNNNNACGTATGCCA		CAGCTTGTAGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4367	TGCAGGACCAGAGAATTGGAATA	4607	TGCAGGACCAGAGAATTGGAATA	4847
CAGTTGTATANNNNACGTATGCCA		CATCCGTTACNNNNACGTATGCCA		CATTGCTTCGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4368	TGCAGGACCAGAGAATTGGAATA	4608	TGCAGGACCAGAGAATTGGAATA	4848
CAATACGCGTNNNNACGTATGCCA		CACGAAAGCTNNNNACGTATGCCA		CAAAAGGCTGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4369	TGCAGGACCAGAGAATTGGAATA	4609	TGCAGGACCAGAGAATTGGAATA	4849
CATGGCAACTNNNNACGTATGCCA		CACGGCCATGNNNNACGTATGCCA		CACCTTACGAGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4370	TGCAGGACCAGAGAATTGGAATA	4610	TGCAGGACCAGAGAATTGGAATA	4850
CAGATTTCAANNNNACGTATGCCA		CACGAAAGCTNNNNACGTATGCCA		CAATCTATGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4371	TGCAGGACCAGAGAATTGGAATA	4611	TGCAGGACCAGAGAATTGGAATA	4851
CAGTATCTTTNNNNACGTATGCCA		CAAGGTTGTCTNNNNACGTATGCCA		CAGGTACACTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4372	TGCAGGACCAGAGAATTGGAATA	4612	TGCAGGACCAGAGAATTGGAATA	4852
CAGCAACAGANNNNACGTATGCCA		CAACGAAGGTNNNNACGTATGCCA		CACCGGCTCANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4373	TGCAGGACCAGAGAATTGGAATA	4613	TGCAGGACCAGAGAATTGGAATA	4853
CAGCGTTCAANNNNACGTATGCCA		CATCCCCGANNNNACGTATGCCA		CACAGGACGGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4374	TGCAGGACCAGAGAATTGGAATA	4614	TGCAGGACCAGAGAATTGGAATA	4854
CAGTATTCGGNNNNACGTATGCCA		CAAGCGATCTNNNNACGTATGCCA		CAATCATGGCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4375	TGCAGGACCAGAGAATTGGAATA	4615	TGCAGGACCAGAGAATTGGAATA	4855
CATCCTATATNNNNACGTATGCCA		CACATATAATGNNNNACGTATGCCA		CATATAGGTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4376	TGCAGGACCAGAGAATTGGAATA	4616	TGCAGGACCAGAGAATTGGAATA	4856
CAAGTCGTACNNNNACGTATGCCA		CATTCGTCTGNNNNACGTATGCCA		CAGATTTAACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4377	TGCAGGACCAGAGAATTGGAATA	4617	TGCAGGACCAGAGAATTGGAATA	4857
CACCTAGACANNNNACGTATGCCA		CAGCGCCTCTNNNNACGTATGCCA		CAATGGAACGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4378	TGCAGGACCAGAGAATTGGAATA	4618	TGCAGGACCAGAGAATTGGAATA	4858
CAATTGGTTCGNNNNACGTATGCCA		CACGCAATCANNNNACGTATGCCA		CAGCTTTACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4379	TGCAGGACCAGAGAATTGGAATA	4619	TGCAGGACCAGAGAATTGGAATA	4859
CAGGTACGCGNNNNACGTATGCCA		CAGTCGGTTCGNNNNACGTATGCCA		CAGTCGGTGGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4380	TGCAGGACCAGAGAATTGGAATA	4620	TGCAGGACCAGAGAATTGGAATA	4860
CACACCAACNNNNACGTATGCCA		CATAGCAGGANNNNACGTATGCCA		CATACTCCCANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4381	TGCAGGACCAGAGAATTGGAATA	4621	TGCAGGACCAGAGAATTGGAATA	4861
CAGAATTCATNNNNACGTATGCCA		CAGATGGAGTNNNNACGTATGCCA		CAGCCGCTCTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4382	TGCAGGACCAGAGAATTGGAATA	4622	TGCAGGACCAGAGAATTGGAATA	4862
CATTGCGACTNNNNACGTATGCCA		CAAGGACCTNNNNACGTATGCCA		CAGTCACCTGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4383	TGCAGGACCAGAGAATTGGAATA	4623	TGCAGGACCAGAGAATTGGAATA	4863
CACCGTTAAGNNNNACGTATGCCA		CAAGCGGCTNNNNACGTATGCCA		CAAGCGGAGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4384	TGCAGGACCAGAGAATTGGAATA	4624	TGCAGGACCAGAGAATTGGAATA	4864
CACGCGTGTNNNNACGTATGCCA		CACGTTTGTCTNNNNACGTATGCCA		CAGCTATATANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4385	TGCAGGACCAGAGAATTGGAATA	4625	TGCAGGACCAGAGAATTGGAATA	4865
CAAAAACAGTNNNNACGTATGCCA		CACCTGCATTNNNNACGTATGCCA		CATCTCTCGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4386	TGCAGGACCAGAGAATTGGAATA	4626	TGCAGGACCAGAGAATTGGAATA	4866
CAGAGATTTNNNNACGTATGCCA		CAATTGAATCANNNNACGTATGCCA		CAACAATAGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4387	TGCAGGACCAGAGAATTGGAATA	4627	TGCAGGACCAGAGAATTGGAATA	4867
CAACCAGTTGNNNNACGTATGCCA		CATCCGTGCCNNNNACGTATGCCA		CAGAGAGCATNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4388	TGCAGGACCAGAGAATTGGAATA	4628	TGCAGGACCAGAGAATTGGAATA	4868
CAAGTTCCGANNNNACGTATGCCA		CATCTCAGGANNNNACGTATGCCA		CACGATATGCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4389	TGCAGGACCAGAGAATTGGAATA	4629	TGCAGGACCAGAGAATTGGAATA	4869
CAGATGACCTNNNNACGTATGCCA		CAAGCGGTTNNNNACGTATGCCA		CACCTTCTCTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4390	TGCAGGACCAGAGAATTGGAATA	4630	TGCAGGACCAGAGAATTGGAATA	4870
CACACGTATGNNNNACGTATGCCA		CACACCCCTCGNNNNACGTATGCCA		CAAAACAGTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4391	TGCAGGACCAGAGAATTGGAATA	4631	TGCAGGACCAGAGAATTGGAATA	4871
CATGTGCGCGNNNNACGTATGCCA		CAGCTAGTTGNNNNACGTATGCCA		CATGTGGACTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4392	TGCAGGACCAGAGAATTGGAATA	4632	TGCAGGACCAGAGAATTGGAATA	4872
CAGACCAAGNNNNACGTATGCCA		CACCGTTACTNNNNACGTATGCCA		CACCTCGACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4393	TGCAGGACCAGAGAATTGGAATA	4633	TGCAGGACCAGAGAATTGGAATA	4873
CACCTGCTACTNNNNACGTATGCCA		CATAAGCGTCTNNNNACGTATGCCA		CACCGTTTCTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	4394	TGCAGGACCAGAGAATTGGAATA	4634	TGCAGGACCAGAGAATTGGAATA	4874
CACCTCAACTNNNNACGTATGCCA		CAGGTAACGNNNNACGTATGCCA		CAACGTCGATNNNNACGTATGCCA	

FIG. 18C

Pool-19	SEQ ID NO:	Pool-20	SEQ ID NO:	Pool-21	SEQ ID NO:
TGCAGGACCAGAGAATTTCGAATA	4395	TGCAGGACCAGAGAATTTCGAATA	4635	TGCAGGACCAGAGAATTTCGAATA	4875
CACAATCCCTNNNNCTAGCGTTAC		CAGAACCAGANNNNCTAGCGTTAC		CATTGGCTTCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4396	TGCAGGACCAGAGAATTTCGAATA	4636	TGCAGGACCAGAGAATTTCGAATA	4876
CATCGTGCAANNNNCTAGCGTTAC		CAGGACTGTTNNNNCTAGCGTTAC		CAATGGACGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4397	TGCAGGACCAGAGAATTTCGAATA	4637	TGCAGGACCAGAGAATTTCGAATA	4877
CAAAGCCATCNNNNCTAGCGTTAC		CAATCGTGTGNNNNCTAGCGTTAC		CATGCAAGAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4398	TGCAGGACCAGAGAATTTCGAATA	4638	TGCAGGACCAGAGAATTTCGAATA	4878
CAATGAACTTNNNNCTAGCGTTAC		CAGTCACGGCNNNNCTAGCGTTAC		CAGAAATATGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4399	TGCAGGACCAGAGAATTTCGAATA	4639	TGCAGGACCAGAGAATTTCGAATA	4879
CATGGCCGGTNNNNCTAGCGTTAC		CATCTCGTACNNNNCTAGCGTTAC		CAACACATATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4400	TGCAGGACCAGAGAATTTCGAATA	4640	TGCAGGACCAGAGAATTTCGAATA	4880
CATGCCACGGNNNNCTAGCGTTAC		CAAGTCGGCNNNNCTAGCGTTAC		CAGTACGACTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4401	TGCAGGACCAGAGAATTTCGAATA	4641	TGCAGGACCAGAGAATTTCGAATA	4881
CAGTCTTCGTTNNNNCTAGCGTTAC		CACATAGTCGNNNNCTAGCGTTAC		CACGCCCGGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4402	TGCAGGACCAGAGAATTTCGAATA	4642	TGCAGGACCAGAGAATTTCGAATA	4882
CAAACGTAGGNNNNCTAGCGTTAC		CACATGTACGNNNNCTAGCGTTAC		CATAGTGCACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4403	TGCAGGACCAGAGAATTTCGAATA	4643	TGCAGGACCAGAGAATTTCGAATA	4883
CAATGGAGCANNNNCTAGCGTTAC		CAGCGTATCANNNNCTAGCGTTAC		CATCAATGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4404	TGCAGGACCAGAGAATTTCGAATA	4644	TGCAGGACCAGAGAATTTCGAATA	4884
CATGACGGCCNNNNCTAGCGTTAC		CACAATTCTTNNNNCTAGCGTTAC		CAATGTAAGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4405	TGCAGGACCAGAGAATTTCGAATA	4645	TGCAGGACCAGAGAATTTCGAATA	4885
CACCTTAGGACNNNNCTAGCGTTAC		CAACTCTATTNNNNCTAGCGTTAC		CATATGTTAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4406	TGCAGGACCAGAGAATTTCGAATA	4646	TGCAGGACCAGAGAATTTCGAATA	4886
CAGACAGAGTNNNNCTAGCGTTAC		CATCATCCANNNNCTAGCGTTAC		CATCAAATCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4407	TGCAGGACCAGAGAATTTCGAATA	4647	TGCAGGACCAGAGAATTTCGAATA	4887
CAAAGTCGTNNNNCTAGCGTTAC		CAGGCTTGGCNNNNCTAGCGTTAC		CACACTTAGGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4408	TGCAGGACCAGAGAATTTCGAATA	4648	TGCAGGACCAGAGAATTTCGAATA	4888
CATACAAAAGNNNNCTAGCGTTAC		CAGTTCCCTGNNNNCTAGCGTTAC		CATAGGATAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4409	TGCAGGACCAGAGAATTTCGAATA	4649	TGCAGGACCAGAGAATTTCGAATA	4889
CATCTCCTGANNNNCTAGCGTTAC		CAATGAGAATNNNNCTAGCGTTAC		CAATCCCGTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4410	TGCAGGACCAGAGAATTTCGAATA	4650	TGCAGGACCAGAGAATTTCGAATA	4890
CAAGCTGGTNNNNCTAGCGTTAC		CACCTGTATCCNNNNCTAGCGTTAC		CAACAATCCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4411	TGCAGGACCAGAGAATTTCGAATA	4651	TGCAGGACCAGAGAATTTCGAATA	4891
CAAAATCAAGANNNNCTAGCGTTAC		CATACGCCCCNNNNCTAGCGTTAC		CACTATTAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4412	TGCAGGACCAGAGAATTTCGAATA	4652	TGCAGGACCAGAGAATTTCGAATA	4892
CAACCACAACNNNNCTAGCGTTAC		CATGCCCGACNNNNCTAGCGTTAC		CAGCGTATGTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4413	TGCAGGACCAGAGAATTTCGAATA	4653	TGCAGGACCAGAGAATTTCGAATA	4893
CAGCTATAATNNNNCTAGCGTTAC		CACCGCTGCTNNNNCTAGCGTTAC		CAATTGGTATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4414	TGCAGGACCAGAGAATTTCGAATA	4654	TGCAGGACCAGAGAATTTCGAATA	4894
CAGGACCGCTNNNNCTAGCGTTAC		CAGGTAGCCCNNNCTAGCGTTAC		CATTTCTGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4415	TGCAGGACCAGAGAATTTCGAATA	4655	TGCAGGACCAGAGAATTTCGAATA	4895
CAGTCCTATNNNNCTAGCGTTAC		CATGACGTTGNNNNCTAGCGTTAC		CAGAATCCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4416	TGCAGGACCAGAGAATTTCGAATA	4656	TGCAGGACCAGAGAATTTCGAATA	4896
CATTGCTGAGNNNNCTAGCGTTAC		CACCCACTATNNNNCTAGCGTTAC		CACTTTACGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4417	TGCAGGACCAGAGAATTTCGAATA	4657	TGCAGGACCAGAGAATTTCGAATA	4897
CATTGGCCTTNNNNCTAGCGTTAC		CAAAGTGTANNNNCTAGCGTTAC		CACGGATCATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4418	TGCAGGACCAGAGAATTTCGAATA	4658	TGCAGGACCAGAGAATTTCGAATA	4898
CAATCATTTNNNNCTAGCGTTAC		CAGGAGTATGNNNNCTAGCGTTAC		CAACAGTGCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4419	TGCAGGACCAGAGAATTTCGAATA	4659	TGCAGGACCAGAGAATTTCGAATA	4899
CAGATGTATTNNNNCTAGCGTTAC		CAAGTGATAANNNNCTAGCGTTAC		CACTTAGTCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4420	TGCAGGACCAGAGAATTTCGAATA	4660	TGCAGGACCAGAGAATTTCGAATA	4900
CAGATCATATNNNNCTAGCGTTAC		CATAATTCGANNNNCTAGCGTTAC		CAAGTGCCCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4421	TGCAGGACCAGAGAATTTCGAATA	4661	TGCAGGACCAGAGAATTTCGAATA	4901
CACCCGCTTANNNNCTAGCGTTAC		CAAGCTTTGGNNNNCTAGCGTTAC		CATGAAATCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4422	TGCAGGACCAGAGAATTTCGAATA	4662	TGCAGGACCAGAGAATTTCGAATA	4902
CAAAAAATCGANNNNCTAGCGTTAC		CAACATGTGNNNNCTAGCGTTAC		CATCAGTTAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4423	TGCAGGACCAGAGAATTTCGAATA	4663	TGCAGGACCAGAGAATTTCGAATA	4903
CAATGTACATNNNNCTAGCGTTAC		CATCAGCGCNNNNCTAGCGTTAC		CAAACCTGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4424	TGCAGGACCAGAGAATTTCGAATA	4664	TGCAGGACCAGAGAATTTCGAATA	4904
CAGCCATCTTNNNNCTAGCGTTAC		CAGCCCGGTANNNNCTAGCGTTAC		CATCATGATANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4425	TGCAGGACCAGAGAATTTCGAATA	4665	TGCAGGACCAGAGAATTTCGAATA	4905
CAAATGCTCGNNNNCTAGCGTTAC		CACCATTTCANNNNCTAGCGTTAC		CAAAGCCTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4426	TGCAGGACCAGAGAATTTCGAATA	4666	TGCAGGACCAGAGAATTTCGAATA	4906
CACACGTCCGNNNNCTAGCGTTAC		CATTCCCTTNNNNCTAGCGTTAC		CAAGCATACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	4427	TGCAGGACCAGAGAATTTCGAATA	4667	TGCAGGACCAGAGAATTTCGAATA	4907
CACATATCGANNNNCTAGCGTTAC		CAACCTCCGNNNNCTAGCGTTAC		CAGGCATTGNNNNCTAGCGTTAC	

FIG. 18D

Pool-19	SEQ ID NO:	Pool-20	SEQ ID NO:	Pool-21	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	4428	TGCAGGACCAGAGAATTCTGAATA	4668	TGCAGGACCAGAGAATTCTGAATA	4908
CAGTCTGGTANNNNCTAGCGTTAC		CACACCTTACNNNNCTAGCGTTAC		CAGCGAGTCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4429	TGCAGGACCAGAGAATTCTGAATA	4669	TGCAGGACCAGAGAATTCTGAATA	4909
CAGTCAGTGTNNNNCTAGCGTTAC		CAGGAGTTGANNNCTAGCGTTAC		CATTTTGAGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4430	TGCAGGACCAGAGAATTCTGAATA	4670	TGCAGGACCAGAGAATTCTGAATA	4910
CACCTCCAGTNNNNCTAGCGTTAC		CAGACAAGACNNNNCTAGCGTTAC		CAATCCTTATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4431	TGCAGGACCAGAGAATTCTGAATA	4671	TGCAGGACCAGAGAATTCTGAATA	4911
CAGATGAAGCANNNNCTAGCGTTAC		CAGTCTACGANNNCTAGCGTTAC		CATCGAAAAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4432	TGCAGGACCAGAGAATTCTGAATA	4672	TGCAGGACCAGAGAATTCTGAATA	4912
CAAAACCATTTNNNNCTAGCGTTAC		CATCGCTCATNNNNCTAGCGTTAC		CAGCTCCGTCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4433	TGCAGGACCAGAGAATTCTGAATA	4673	TGCAGGACCAGAGAATTCTGAATA	4913
CACCTGCGCTNNNNCTAGCGTTAC		CACCAAGCCGNNNNCTAGCGTTAC		CACCAGTTTTCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4434	TGCAGGACCAGAGAATTCTGAATA	4674	TGCAGGACCAGAGAATTCTGAATA	4914
CACACCCGAGNNNNCTAGCGTTAC		CACCTTCGGTNNNNCTAGCGTTAC		CACTTGGCTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4435	TGCAGGACCAGAGAATTCTGAATA	4675	TGCAGGACCAGAGAATTCTGAATA	4915
CATACTACAANNNNCTAGCGTTAC		CAAACTAGTTNNNNCTAGCGTTAC		CACCGCCATCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4436	TGCAGGACCAGAGAATTCTGAATA	4676	TGCAGGACCAGAGAATTCTGAATA	4916
CATAACCGACNNNNCTAGCGTTAC		CAGAGTGAGTNNNNCTAGCGTTAC		CAGATCGATCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4437	TGCAGGACCAGAGAATTCTGAATA	4677	TGCAGGACCAGAGAATTCTGAATA	4917
CATCTATAGANNNNCTAGCGTTAC		CACAATACTANNNNCTAGCGTTAC		CAACGCGGCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4438	TGCAGGACCAGAGAATTCTGAATA	4678	TGCAGGACCAGAGAATTCTGAATA	4918
CAGGTGAGCANNNNCTAGCGTTAC		CACCTTTGGTNNNNCTAGCGTTAC		CATCTCGAGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4439	TGCAGGACCAGAGAATTCTGAATA	4679	TGCAGGACCAGAGAATTCTGAATA	4919
CACATACTCCNNNNCTAGCGTTAC		CATTCACACNNNNCTAGCGTTAC		CAATTGGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4440	TGCAGGACCAGAGAATTCTGAATA	4680	TGCAGGACCAGAGAATTCTGAATA	4920
CATAAGAGTANNNNCTAGCGTTAC		CAGTTATCCNNNNCTAGCGTTAC		CACGCGGAGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4441	TGCAGGACCAGAGAATTCTGAATA	4681	TGCAGGACCAGAGAATTCTGAATA	4921
CAGTGTGAGANNNNCTAGCGTTAC		CAAACTTGTNNNNCTAGCGTTAC		CACTTCAGCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4442	TGCAGGACCAGAGAATTCTGAATA	4682	TGCAGGACCAGAGAATTCTGAATA	4922
CATTCCGGATNNNNCTAGCGTTAC		CACAACCCANNNNCTAGCGTTAC		CAAAATAAGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4443	TGCAGGACCAGAGAATTCTGAATA	4683	TGCAGGACCAGAGAATTCTGAATA	4923
CAAGTACGAGNNNNCTAGCGTTAC		CAGTTTCAGANNNNCTAGCGTTAC		CAGCCTAAGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4444	TGCAGGACCAGAGAATTCTGAATA	4684	TGCAGGACCAGAGAATTCTGAATA	4924
CAGGTGAACANNNNCTAGCGTTAC		CACGTCTACTNNNNCTAGCGTTAC		CAGATGTTTCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4445	TGCAGGACCAGAGAATTCTGAATA	4685	TGCAGGACCAGAGAATTCTGAATA	4925
CACACTAGCANNNNCTAGCGTTAC		CATCAACAGCANNNNCTAGCGTTAC		CAAACGAGGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4446	TGCAGGACCAGAGAATTCTGAATA	4686	TGCAGGACCAGAGAATTCTGAATA	4926
CAAGCAGAACNNNNCTAGCGTTAC		CATTGAGTCGNNNNCTAGCGTTAC		CAATAGACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4447	TGCAGGACCAGAGAATTCTGAATA	4687	TGCAGGACCAGAGAATTCTGAATA	4927
CATTTTAAANNNNCTAGCGTTAC		CAGCATCTGANNNCTAGCGTTAC		CATATTTGGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4448	TGCAGGACCAGAGAATTCTGAATA	4688	TGCAGGACCAGAGAATTCTGAATA	4928
CACCTTCGAGANNNNCTAGCGTTAC		CATGGCAGTTNNNNCTAGCGTTAC		CATCCGTGTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	4449	TGCAGGACCAGAGAATTCTGAATA	4689	TGCAGGACCAGAGAATTCTGAATA	4929
CATGCAATGCNNNGATCGACATG		CAGATCTCTCANNNGATCGACATG		CATCCTCGATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4450	TGCAGGACCAGAGAATTCTGAATA	4690	TGCAGGACCAGAGAATTCTGAATA	4930
CAGACGCCACNNNGATCGACATG		CAGAGCGCGANNNGATCGACATG		CATTTGGAGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4451	TGCAGGACCAGAGAATTCTGAATA	4691	TGCAGGACCAGAGAATTCTGAATA	4931
CAGTTTTTCANNNGATCGACATG		CACTCTCTAGNNNGATCGACATG		CACTTCCACANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4452	TGCAGGACCAGAGAATTCTGAATA	4692	TGCAGGACCAGAGAATTCTGAATA	4932
CAGTTTTATCANNNGATCGACATG		CACGTGCGGTNNNGATCGACATG		CAAATTTGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4453	TGCAGGACCAGAGAATTCTGAATA	4693	TGCAGGACCAGAGAATTCTGAATA	4933
CAACACCGCGCANNNGATCGACATG		CAAGCTAGTCNNNGATCGACATG		CAAATCTGATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4454	TGCAGGACCAGAGAATTCTGAATA	4694	TGCAGGACCAGAGAATTCTGAATA	4934
CACGCTTTACNNNGATCGACATG		CAGCTATGTGNNNGATCGACATG		CATCCACTTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4455	TGCAGGACCAGAGAATTCTGAATA	4695	TGCAGGACCAGAGAATTCTGAATA	4935
CAGTAAATGANNNNGATCGACATG		CATCTGCTTGNNNGATCGACATG		CATGGTTAGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4456	TGCAGGACCAGAGAATTCTGAATA	4696	TGCAGGACCAGAGAATTCTGAATA	4936
CATTTGAAGTNNNGATCGACATG		CAGTACGCTANNNGATCGACATG		CACTGTAACGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4457	TGCAGGACCAGAGAATTCTGAATA	4697	TGCAGGACCAGAGAATTCTGAATA	4937
CACACCCTTNNNGATCGACATG		CAGACCCGTGNNNGATCGACATG		CATATTAGTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4458	TGCAGGACCAGAGAATTCTGAATA	4698	TGCAGGACCAGAGAATTCTGAATA	4938
CATGTAAGAANNNGATCGACATG		CAGTCATGACNNNGATCGACATG		CATGCACATGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4459	TGCAGGACCAGAGAATTCTGAATA	4699	TGCAGGACCAGAGAATTCTGAATA	4939
CACGCTGAATNNNGATCGACATG		CACGCTAGATNNNGATCGACATG		CAACCTTCGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4460	TGCAGGACCAGAGAATTCTGAATA	4700	TGCAGGACCAGAGAATTCTGAATA	4940
CACTTATTGTNNNGATCGACATG		CAGTAATGAANNNGATCGACATG		CAGCGTGCANNNGATCGACATG	

FIG. 18E

Pool-19	SEQ ID NO:	Pool-20	SEQ ID NO:	Pool-21	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	4461	TGCAGGACCAGAGAATTCTGAATA	4701	TGCAGGACCAGAGAATTCTGAATA	4941
CACGTGAGAANNNGATCGACATG		CATCGTATTTNNNGATCGACATG		CACGCCTTTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4462	TGCAGGACCAGAGAATTCTGAATA	4702	TGCAGGACCAGAGAATTCTGAATA	4942
CAACCGGCTGNNNGATCGACATG		CACACGTACANNNGATCGACATG		CATTGTAAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4463	TGCAGGACCAGAGAATTCTGAATA	4703	TGCAGGACCAGAGAATTCTGAATA	4943
CACAAATTCNNNGATCGACATG		CATGACTAATNNNGATCGACATG		CAAAACGCAAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4464	TGCAGGACCAGAGAATTCTGAATA	4704	TGCAGGACCAGAGAATTCTGAATA	4944
CAACTAAAGANNNGATCGACATG		CACTACCGCCNNNGATCGACATG		CAGTAATCATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4465	TGCAGGACCAGAGAATTCTGAATA	4705	TGCAGGACCAGAGAATTCTGAATA	4945
CATAGTCTCCNNNGATCGACATG		CAGGCACTTANNNGATCGACATG		CAGTCTGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4466	TGCAGGACCAGAGAATTCTGAATA	4706	TGCAGGACCAGAGAATTCTGAATA	4946
CACTAACATANNNGATCGACATG		CATCCTTAGCNNNGATCGACATG		CAGATGGTTCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4467	TGCAGGACCAGAGAATTCTGAATA	4707	TGCAGGACCAGAGAATTCTGAATA	4947
CATGCCAGCGNNNGATCGACATG		CAGGTATAGCNNNGATCGACATG		CACTTGGCAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4468	TGCAGGACCAGAGAATTCTGAATA	4708	TGCAGGACCAGAGAATTCTGAATA	4948
CAACTGGAAGNNNGATCGACATG		CAAAATGAACANNNGATCGACATG		CATACCGAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4469	TGCAGGACCAGAGAATTCTGAATA	4709	TGCAGGACCAGAGAATTCTGAATA	4949
CAGCAATCCANNNGATCGACATG		CAGTAGTAANNNGATCGACATG		CAGTGAGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4470	TGCAGGACCAGAGAATTCTGAATA	4710	TGCAGGACCAGAGAATTCTGAATA	4950
CAAATCCTAANNNGATCGACATG		CATAGTTTCGNNNGATCGACATG		CACAGGTGAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4471	TGCAGGACCAGAGAATTCTGAATA	4711	TGCAGGACCAGAGAATTCTGAATA	4951
CAAAGCGGTANNNGATCGACATG		CAGTTGTGACNNNGATCGACATG		CAAGGTCAGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4472	TGCAGGACCAGAGAATTCTGAATA	4712	TGCAGGACCAGAGAATTCTGAATA	4952
CAGTCAGAGANNNGATCGACATG		CACGCGTAGCNNNGATCGACATG		CAGAGCGTTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4473	TGCAGGACCAGAGAATTCTGAATA	4713	TGCAGGACCAGAGAATTCTGAATA	4953
CATCGGATGTNNNGATCGACATG		CACATATGTGNNNGATCGACATG		CAGAAATGGCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4474	TGCAGGACCAGAGAATTCTGAATA	4714	TGCAGGACCAGAGAATTCTGAATA	4954
CATCAGGCTTNNNGATCGACATG		CATTGGCGTANNNGATCGACATG		CAGAGTGTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4475	TGCAGGACCAGAGAATTCTGAATA	4715	TGCAGGACCAGAGAATTCTGAATA	4955
CATTAGGTGCNNNGATCGACATG		CAATTATCCTNNNGATCGACATG		CAAAACATCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4476	TGCAGGACCAGAGAATTCTGAATA	4716	TGCAGGACCAGAGAATTCTGAATA	4956
CATCCGACGGNNNGATCGACATG		CACITTTGAAANNNGATCGACATG		CATAAAGCTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4477	TGCAGGACCAGAGAATTCTGAATA	4717	TGCAGGACCAGAGAATTCTGAATA	4957
CAAAAGCAGCANNNGATCGACATG		CACITAGTACGNNNGATCGACATG		CATTAGTGCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4478	TGCAGGACCAGAGAATTCTGAATA	4718	TGCAGGACCAGAGAATTCTGAATA	4958
CAGTGCCGGTNNNGATCGACATG		CATCCCACATNNNGATCGACATG		CAGTTGCCCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4479	TGCAGGACCAGAGAATTCTGAATA	4719	TGCAGGACCAGAGAATTCTGAATA	4959
CAACGATATTNNNGATCGACATG		CAGTATGCACNNNGATCGACATG		CAGTGACCTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4480	TGCAGGACCAGAGAATTCTGAATA	4720	TGCAGGACCAGAGAATTCTGAATA	4960
CAACAACAGGNNNGATCGACATG		CAGGCGCTCAGNNNGATCGACATG		CAGGACAATGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4481	TGCAGGACCAGAGAATTCTGAATA	4721	TGCAGGACCAGAGAATTCTGAATA	4961
CACCTCGGAANNNGATCGACATG		CACGGCTTAANNNGATCGACATG		CATATAGGAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4482	TGCAGGACCAGAGAATTCTGAATA	4722	TGCAGGACCAGAGAATTCTGAATA	4962
CATCAAGCCANNNGATCGACATG		CACATAGCACNNNGATCGACATG		CACTAGCGGCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4483	TGCAGGACCAGAGAATTCTGAATA	4723	TGCAGGACCAGAGAATTCTGAATA	4963
CACATTAACANNNGATCGACATG		CACCACTTTGNNNGATCGACATG		CAGCGTTTAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4484	TGCAGGACCAGAGAATTCTGAATA	4724	TGCAGGACCAGAGAATTCTGAATA	4964
CAAAACACGAGNNNGATCGACATG		CATGTGATGCNNNGATCGACATG		CAGTATGTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4485	TGCAGGACCAGAGAATTCTGAATA	4725	TGCAGGACCAGAGAATTCTGAATA	4965
CATCCATCACNNNGATCGACATG		CAATCGCTAGNNNGATCGACATG		CACATGTGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4486	TGCAGGACCAGAGAATTCTGAATA	4726	TGCAGGACCAGAGAATTCTGAATA	4966
CAGTCGCACGNNNGATCGACATG		CAGAATTAGANNNGATCGACATG		CAATCAAAAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4487	TGCAGGACCAGAGAATTCTGAATA	4727	TGCAGGACCAGAGAATTCTGAATA	4967
CATGGCAGCANNNGATCGACATG		CAGCGGCTGNNNGATCGACATG		CAATAAACTCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4488	TGCAGGACCAGAGAATTCTGAATA	4728	TGCAGGACCAGAGAATTCTGAATA	4968
CATTTTCAGANNNGATCGACATG		CAAATTGCATNNNGATCGACATG		CACCGGATCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4489	TGCAGGACCAGAGAATTCTGAATA	4729	TGCAGGACCAGAGAATTCTGAATA	4969
CATACGTCTCANNNGATCGACATG		CATGGAACCTNNNGATCGACATG		CACCGGCTAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4490	TGCAGGACCAGAGAATTCTGAATA	4730	TGCAGGACCAGAGAATTCTGAATA	4970
CACCCGATCTTNNNGATCGACATG		CAAGCGCATNNNGATCGACATG		CACCTGTGGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4491	TGCAGGACCAGAGAATTCTGAATA	4731	TGCAGGACCAGAGAATTCTGAATA	4971
CAATTAAGCTNNNGATCGACATG		CATTCCCTCTNNNGATCGACATG		CAGAACGTCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4492	TGCAGGACCAGAGAATTCTGAATA	4732	TGCAGGACCAGAGAATTCTGAATA	4972
CAAACTTCCNNNGATCGACATG		CAATTGTGCGNNNGATCGACATG		CACGGCTGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4493	TGCAGGACCAGAGAATTCTGAATA	4733	TGCAGGACCAGAGAATTCTGAATA	4973
CAGTCGCTTTNNNGATCGACATG		CATAATGCGCANNNGATCGACATG		CAGGCATCATNNNGATCGACATG	

FIG. 18F

Pool-19	SEQ ID NO:	Pool-20	SEQ ID NO:	Pool-21	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	4494	TGCAGGACCAGAGAATTCTGAATA	4734	TGCAGGACCAGAGAATTCTGAATA	4974
CAGCCAGTATNNNGATCGACATG		CAACGCATTGNNNGATCGACATG		CACCCGAGGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4495	TGCAGGACCAGAGAATTCTGAATA	4735	TGCAGGACCAGAGAATTCTGAATA	4975
CAGAGAAAAANNNGATCGACATG		CATGTCGGTANNNGATCGACATG		CATCCTACTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4496	TGCAGGACCAGAGAATTCTGAATA	4736	TGCAGGACCAGAGAATTCTGAATA	4976
CAATAGCCCNNGATCGACATG		CATTTTCAANNNGATCGACATG		CATCCCGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4497	TGCAGGACCAGAGAATTCTGAATA	4737	TGCAGGACCAGAGAATTCTGAATA	4977
CACACGTCCCNNGATCGACATG		CATAAGTACTNNNGATCGACATG		CATGTAGGTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4498	TGCAGGACCAGAGAATTCTGAATA	4738	TGCAGGACCAGAGAATTCTGAATA	4978
CAAGTTTATCANNNGATCGACATG		CAAATTAGTCNNNGATCGACATG		CACGGCGCTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4499	TGCAGGACCAGAGAATTCTGAATA	4739	TGCAGGACCAGAGAATTCTGAATA	4979
CACCTTTTCGGNNNGATCGACATG		CAGGAAATATNNNGATCGACATG		CACCTATTTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4500	TGCAGGACCAGAGAATTCTGAATA	4740	TGCAGGACCAGAGAATTCTGAATA	4980
CACAATCGTGNNGATCGACATG		CATTTTCAANNNGATCGACATG		CAGAACAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4501	TGCAGGACCAGAGAATTCTGAATA	4741	TGCAGGACCAGAGAATTCTGAATA	4981
CAGGACGTAANNNGATCGACATG		CACACGTAACNNNGATCGACATG		CATCCCATTTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4502	TGCAGGACCAGAGAATTCTGAATA	4742	TGCAGGACCAGAGAATTCTGAATA	4982
CACCCGAACGNNNGATCGACATG		CAGTTTCCGTNNNGATCGACATG		CATACTGTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4503	TGCAGGACCAGAGAATTCTGAATA	4743	TGCAGGACCAGAGAATTCTGAATA	4983
CATCCGTATCANNNGATCGACATG		CAAGTATCTANNNGATCGACATG		CAGCGCTTAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4504	TGCAGGACCAGAGAATTCTGAATA	4744	TGCAGGACCAGAGAATTCTGAATA	4984
CATTTGTTANNNGATCGACATG		CATCTAGTGGNNNGATCGACATG		CAGCCTCCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4505	TGCAGGACCAGAGAATTCTGAATA	4745	TGCAGGACCAGAGAATTCTGAATA	4985
CATGCTACAGNNNGATCGACATG		CAGAGTACAGNNNGATCGACATG		CACAGGATACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4506	TGCAGGACCAGAGAATTCTGAATA	4746	TGCAGGACCAGAGAATTCTGAATA	4986
CAGTTACTTTNNNGATCGACATG		CAACTCCAGANNNGATCGACATG		CAGTGTCAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4507	TGCAGGACCAGAGAATTCTGAATA	4747	TGCAGGACCAGAGAATTCTGAATA	4987
CAAATGCCTGNNNGATCGACATG		CAAACACAAANNNGATCGACATG		CATACGCCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4508	TGCAGGACCAGAGAATTCTGAATA	4748	TGCAGGACCAGAGAATTCTGAATA	4988
CACCAGGCACNNNGATCGACATG		CAGCCGCAACNNNGATCGACATG		CAAATCCGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4509	TGCAGGACCAGAGAATTCTGAATA	4749	TGCAGGACCAGAGAATTCTGAATA	4989
CATGGCGACNNNGATCGACATG		CAGATCTTAANNNGATCGACATG		CAGCCGCGGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4510	TGCAGGACCAGAGAATTCTGAATA	4750	TGCAGGACCAGAGAATTCTGAATA	4990
CAAGAGGCTNNNGATCGACATG		CAGTACAGTCNNNGATCGACATG		CACCTGCCGTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4511	TGCAGGACCAGAGAATTCTGAATA	4751	TGCAGGACCAGAGAATTCTGAATA	4991
CATTACCCACNNNGATCGACATG		CAGCATTTCTNNNGATCGACATG		CACGTTACCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4512	TGCAGGACCAGAGAATTCTGAATA	4752	TGCAGGACCAGAGAATTCTGAATA	4992
CATGCCGATTNNNGATCGACATG		CAGCAGCCACNNNGATCGACATG		CACGATTAGCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4513	TGCAGGACCAGAGAATTCTGAATA	4753	TGCAGGACCAGAGAATTCTGAATA	4993
CACAGGTTGTNNNGATCGACATG		CAAGCTGCCNNNGATCGACATG		CAAACCTAATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4514	TGCAGGACCAGAGAATTCTGAATA	4754	TGCAGGACCAGAGAATTCTGAATA	4994
CAACATAGANNNGATCGACATG		CACCCGCTACNNNGATCGACATG		CAATCGGCTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4515	TGCAGGACCAGAGAATTCTGAATA	4755	TGCAGGACCAGAGAATTCTGAATA	4995
CAGAAATGATNNNGATCGACATG		CACAAGGCAANNNGATCGACATG		CAGGAACCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4516	TGCAGGACCAGAGAATTCTGAATA	4756	TGCAGGACCAGAGAATTCTGAATA	4996
CATGTGCTGANNNGATCGACATG		CAGATGTTATNNNGATCGACATG		CATCACACAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4517	TGCAGGACCAGAGAATTCTGAATA	4757	TGCAGGACCAGAGAATTCTGAATA	4997
CAAGGCAGATNNNGATCGACATG		CACGGTATTGNNNGATCGACATG		CACTATTGAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4518	TGCAGGACCAGAGAATTCTGAATA	4758	TGCAGGACCAGAGAATTCTGAATA	4998
CATAGGTTATNNNGATCGACATG		CAGTATTTAGNNNGATCGACATG		CACGCGATATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4519	TGCAGGACCAGAGAATTCTGAATA	4759	TGCAGGACCAGAGAATTCTGAATA	4999
CATTTTGTGNNNGATCGACATG		CAGGATCAGANNNGATCGACATG		CACCTTATGTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4520	TGCAGGACCAGAGAATTCTGAATA	4760	TGCAGGACCAGAGAATTCTGAATA	5000
CAAAACAAGTNNNGATCGACATG		CAATCGAAANNNGATCGACATG		CAATTGCGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4521	TGCAGGACCAGAGAATTCTGAATA	4761	TGCAGGACCAGAGAATTCTGAATA	5001
CACGTGGTTANNNGATCGACATG		CAGCCATTTCTNNNGATCGACATG		CAAGGCAACANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4522	TGCAGGACCAGAGAATTCTGAATA	4762	TGCAGGACCAGAGAATTCTGAATA	5002
CACCTTCGACNNNGATCGACATG		CATCAGACCANNNGATCGACATG		CAGACCTTTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4523	TGCAGGACCAGAGAATTCTGAATA	4763	TGCAGGACCAGAGAATTCTGAATA	5003
CATAGACGTCNNNGATCGACATG		CATTTGTTTANNNGATCGACATG		CAGGAACCAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4524	TGCAGGACCAGAGAATTCTGAATA	4764	TGCAGGACCAGAGAATTCTGAATA	5004
CATCTAGTCCNNNGATCGACATG		CAACCTATCANNNGATCGACATG		CACGTCTAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4525	TGCAGGACCAGAGAATTCTGAATA	4765	TGCAGGACCAGAGAATTCTGAATA	5005
CAAAACAAGTNNNGATCGACATG		CAAAAAGCCGNNNGATCGACATG		CACAGATCCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	4526	TGCAGGACCAGAGAATTCTGAATA	4766	TGCAGGACCAGAGAATTCTGAATA	5006
CATAATGAAGNNNGATCGACATG		CAGAGTGCGGNNNGATCGACATG		CACCAGCAGGNNNGATCGACATG	

FIG. 18G

Pool-19	SEQ ID NO:	Pool-20	SEQ ID NO:	Pool-21	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	4527	TGCAGGACCAGAGAATTGGAATA	4767	TGCAGGACCAGAGAATTGGAATA	5007
CATATTCGCCNNNTGCATCAGGT		CAATCATACANNNTGCATCAGGT		CACGAGTCCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4528	TGCAGGACCAGAGAATTGGAATA	4768	TGCAGGACCAGAGAATTGGAATA	5008
CATTGCACGANNNTGCATCAGGT		CACAGATGAGNNNTGCATCAGGT		CAGTCGAATCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4529	TGCAGGACCAGAGAATTGGAATA	4769	TGCAGGACCAGAGAATTGGAATA	5009
CAACTACTAANNNTGCATCAGGT		CACAGCTTAGNNNTGCATCAGGT		CATCCATAAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4530	TGCAGGACCAGAGAATTGGAATA	4770	TGCAGGACCAGAGAATTGGAATA	5010
CAACTCATANNNTGCATCAGGT		CAACTTCTANNNTGCATCAGGT		CAGTCCCACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4531	TGCAGGACCAGAGAATTGGAATA	4771	TGCAGGACCAGAGAATTGGAATA	5011
CAAGGACTGANNNTGCATCAGGT		CACAACAGANNNTGCATCAGGT		CATGGTTGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4532	TGCAGGACCAGAGAATTGGAATA	4772	TGCAGGACCAGAGAATTGGAATA	5012
CACACATCCTNNNTGCATCAGGT		CACGTAGATCANNNTGCATCAGGT		CAAGACAACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4533	TGCAGGACCAGAGAATTGGAATA	4773	TGCAGGACCAGAGAATTGGAATA	5013
CAATAGCGAGNNNTGCATCAGGT		CACCTCCGANNNTGCATCAGGT		CAATATTGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4534	TGCAGGACCAGAGAATTGGAATA	4774	TGCAGGACCAGAGAATTGGAATA	5014
CAAGGAAGTCNNNTGCATCAGGT		CAGACTTTGNNNTGCATCAGGT		CAGAGGAAGTCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4535	TGCAGGACCAGAGAATTGGAATA	4775	TGCAGGACCAGAGAATTGGAATA	5015
CAGAAGCCTCANNNTGCATCAGGT		CAGAAGATCCNNNTGCATCAGGT		CAGAAGAAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4536	TGCAGGACCAGAGAATTGGAATA	4776	TGCAGGACCAGAGAATTGGAATA	5016
CACCCCTCTCANNNTGCATCAGGT		CACAGCATCANNNTGCATCAGGT		CAGCAACAAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4537	TGCAGGACCAGAGAATTGGAATA	4777	TGCAGGACCAGAGAATTGGAATA	5017
CAAGAAACGNNNTGCATCAGGT		CACCTCTGACNNNTGCATCAGGT		CACATAAACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4538	TGCAGGACCAGAGAATTGGAATA	4778	TGCAGGACCAGAGAATTGGAATA	5018
CAGACATCTGNNNTGCATCAGGT		CATCCCGTTANNNTGCATCAGGT		CAGGAGGTCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4539	TGCAGGACCAGAGAATTGGAATA	4779	TGCAGGACCAGAGAATTGGAATA	5019
CAACGCCCTCANNNTGCATCAGGT		CATTCCATANNNTGCATCAGGT		CACGCGGCTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4540	TGCAGGACCAGAGAATTGGAATA	4780	TGCAGGACCAGAGAATTGGAATA	5020
CAGTCACCGGNNNTGCATCAGGT		CACGTGCGACNNNTGCATCAGGT		CACCGAGTCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4541	TGCAGGACCAGAGAATTGGAATA	4781	TGCAGGACCAGAGAATTGGAATA	5021
CAAGAGCGATNNNTGCATCAGGT		CAACGCTGGCANNNTGCATCAGGT		CAGTTCAAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4542	TGCAGGACCAGAGAATTGGAATA	4782	TGCAGGACCAGAGAATTGGAATA	5022
CAATGGCTTGNNTGCATCAGGT		CAGAGATTCCNNNTGCATCAGGT		CACAGCCGANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4543	TGCAGGACCAGAGAATTGGAATA	4783	TGCAGGACCAGAGAATTGGAATA	5023
CACCTGCAANNNTGCATCAGGT		CAGAGCACTANNNTGCATCAGGT		CACCTTGACTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4544	TGCAGGACCAGAGAATTGGAATA	4784	TGCAGGACCAGAGAATTGGAATA	5024
CAGTCGAAGTCNNNTGCATCAGGT		CATTGATTAGNNNTGCATCAGGT		CAGAGCAAAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4545	TGCAGGACCAGAGAATTGGAATA	4785	TGCAGGACCAGAGAATTGGAATA	5025
CATGTGGAGANNNTGCATCAGGT		CACATGCATGNNNTGCATCAGGT		CATGATCCTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4546	TGCAGGACCAGAGAATTGGAATA	4786	TGCAGGACCAGAGAATTGGAATA	5026
CAAACGTGCTNNNTGCATCAGGT		CATTGACCTCANNNTGCATCAGGT		CAAGAAATTGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4547	TGCAGGACCAGAGAATTGGAATA	4787	TGCAGGACCAGAGAATTGGAATA	5027
CAAAGATTGANNNTGCATCAGGT		CAGGCCACTGNNNTGCATCAGGT		CAGTGTGGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4548	TGCAGGACCAGAGAATTGGAATA	4788	TGCAGGACCAGAGAATTGGAATA	5028
CAACGTTATANNNTGCATCAGGT		CATTCTCTCANNNTGCATCAGGT		CACATGTAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4549	TGCAGGACCAGAGAATTGGAATA	4789	TGCAGGACCAGAGAATTGGAATA	5029
CACCGCATANNNTGCATCAGGT		CAGCATTGAGNNNTGCATCAGGT		CATAGCCCCCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4550	TGCAGGACCAGAGAATTGGAATA	4790	TGCAGGACCAGAGAATTGGAATA	5030
CACGATTTCCNNNTGCATCAGGT		CAGTAACCTANNNTGCATCAGGT		CAGTCTTGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4551	TGCAGGACCAGAGAATTGGAATA	4791	TGCAGGACCAGAGAATTGGAATA	5031
CAGTAAACANNNTGCATCAGGT		CAACTATGATNNNTGCATCAGGT		CATGTAAGCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4552	TGCAGGACCAGAGAATTGGAATA	4792	TGCAGGACCAGAGAATTGGAATA	5032
CAGGTGGTCCNNNTGCATCAGGT		CAACTAAGANNNTGCATCAGGT		CAACAGAGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4553	TGCAGGACCAGAGAATTGGAATA	4793	TGCAGGACCAGAGAATTGGAATA	5033
CAATGTCTGNNNTGCATCAGGT		CATAGGTTTANNNTGCATCAGGT		CAAGTTGAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4554	TGCAGGACCAGAGAATTGGAATA	4794	TGCAGGACCAGAGAATTGGAATA	5034
CACGTAATANNNTGCATCAGGT		CACCTCGTCGNNNTGCATCAGGT		CACCTGCTTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4555	TGCAGGACCAGAGAATTGGAATA	4795	TGCAGGACCAGAGAATTGGAATA	5035
CAACTCGCTTNNNTGCATCAGGT		CAGGCTAGCCNNNTGCATCAGGT		CAACACCTCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4556	TGCAGGACCAGAGAATTGGAATA	4796	TGCAGGACCAGAGAATTGGAATA	5036
CACCATACGANNNTGCATCAGGT		CAGGTTGTACNNNTGCATCAGGT		CATATTGAACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4557	TGCAGGACCAGAGAATTGGAATA	4797	TGCAGGACCAGAGAATTGGAATA	5037
CACGGACAAANNNTGCATCAGGT		CATAAAGCGGNNNTGCATCAGGT		CAGATTGGTCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4558	TGCAGGACCAGAGAATTGGAATA	4798	TGCAGGACCAGAGAATTGGAATA	5038
CACGCTGTTTTNNNTGCATCAGGT		CAAAATCTTNNNTGCATCAGGT		CAAAAGAAAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	4559	TGCAGGACCAGAGAATTGGAATA	4799	TGCAGGACCAGAGAATTGGAATA	5039
CACCTCCATANNNTGCATCAGGT		CACCAAGGAANNNTGCATCAGGT		CATAAAATANNNTGCATCAGGT	

FIG. 18H

Pool-19	SEQ ID NO:	Pool-20	SEQ ID NO:	Pool-21	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CAGGCTTCCGNNNTGCATCAGGT	4560	TGCAGGACCAGAGAATTCGAATA CAACAAAAGTNNNTGCATCAGGT	4800	TGCAGGACCAGAGAATTCGAATA CATGTCCAGANNNTGCATCAGGT	5040
TGCAGGACCAGAGAATTCGAATA CAAAATTTTCGNNNTGCATCAGGT	4561	TGCAGGACCAGAGAATTCGAATA CAGGCCCCGNNNTGCATCAGGT	4801	TGCAGGACCAGAGAATTCGAATA CATTTGAGGCNNNTGCATCAGGT	5041
TGCAGGACCAGAGAATTCGAATA CATACCTAGGNNNTGCATCAGGT	4562	TGCAGGACCAGAGAATTCGAATA CAAACATGCCNNNTGCATCAGGT	4802	TGCAGGACCAGAGAATTCGAATA CACCATCCTANNNTGCATCAGGT	5042
TGCAGGACCAGAGAATTCGAATA CACACGCACGNNNTGCATCAGGT	4563	TGCAGGACCAGAGAATTCGAATA CATCGGAGTTNNNTGCATCAGGT	4803	TGCAGGACCAGAGAATTCGAATA CACTCCAGANNNTGCATCAGGT	5043
TGCAGGACCAGAGAATTCGAATA CACATTGCAGNNNTGCATCAGGT	4564	TGCAGGACCAGAGAATTCGAATA CATAGCGGAANNNTGCATCAGGT	4804	TGCAGGACCAGAGAATTCGAATA CACAGATGGANNNTGCATCAGGT	5044
TGCAGGACCAGAGAATTCGAATA CAGCATTAAATNNNTGCATCAGGT	4565	TGCAGGACCAGAGAATTCGAATA CAGTCTACTCNNNTGCATCAGGT	4805	TGCAGGACCAGAGAATTCGAATA CATAATCCCCNNNTGCATCAGGT	5045
TGCAGGACCAGAGAATTCGAATA CAAGACGCCCCNNNTGCATCAGGT	4566	TGCAGGACCAGAGAATTCGAATA CATTTGACCCNNNTGCATCAGGT	4806	TGCAGGACCAGAGAATTCGAATA CAAGGCGCTCNNNTGCATCAGGT	5046
TGCAGGACCAGAGAATTCGAATA CACACACGATNNNTGCATCAGGT	4567	TGCAGGACCAGAGAATTCGAATA CAAAGGAGAGNNNTGCATCAGGT	4807	TGCAGGACCAGAGAATTCGAATA CAATTGTCAANNNTGCATCAGGT	5047
TGCAGGACCAGAGAATTCGAATA CATGATTGTANNNTGCATCAGGT	4568	TGCAGGACCAGAGAATTCGAATA CATTTGCCANNNTGCATCAGGT	4808	TGCAGGACCAGAGAATTCGAATA CACGCGTTAANNNTGCATCAGGT	5048

FIG. 19A

Pool-22	SEQ ID NO:	Pool-23	SEQ ID NO:	Pool-24	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	5049	TGCAGGACCAGAGAATTGGAATA	5289	TGCAGGACCAGAGAATTGGAATA	5529
CATTGATCGGNNNACGTATGCCA		CATAACTAACNNNACGTATGCCA		CAGTTGCGCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5050	TGCAGGACCAGAGAATTGGAATA	5290	TGCAGGACCAGAGAATTGGAATA	5530
CACCCCTACGNNNACGTATGCCA		CAAAACTCGGNNNACGTATGCCA		CAGGAACATGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5051	TGCAGGACCAGAGAATTGGAATA	5291	TGCAGGACCAGAGAATTGGAATA	5531
CAGCGGCGAANNNACGTATGCCA		CATGAGTTGNNNACGTATGCCA		CACGGTAACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5052	TGCAGGACCAGAGAATTGGAATA	5292	TGCAGGACCAGAGAATTGGAATA	5532
CATAGCCGCGNNNACGTATGCCA		CAACAACAANNNACGTATGCCA		CAATGTGTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5053	TGCAGGACCAGAGAATTGGAATA	5293	TGCAGGACCAGAGAATTGGAATA	5533
CAGAAGCGATNNNACGTATGCCA		CAGCCCTACGNNNACGTATGCCA		CACGAGTTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5054	TGCAGGACCAGAGAATTGGAATA	5294	TGCAGGACCAGAGAATTGGAATA	5534
CAGACAGTGANNNACGTATGCCA		CAGTTGAGAGNNNACGTATGCCA		CATGAACTCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5055	TGCAGGACCAGAGAATTGGAATA	5295	TGCAGGACCAGAGAATTGGAATA	5535
CACCTTTATGANNNACGTATGCCA		CACAGTGACTNNNACGTATGCCA		CAACATCGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5056	TGCAGGACCAGAGAATTGGAATA	5296	TGCAGGACCAGAGAATTGGAATA	5536
CACAGGAAGTNNNACGTATGCCA		CATGAAGACGNNNACGTATGCCA		CAGAATTGTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5057	TGCAGGACCAGAGAATTGGAATA	5297	TGCAGGACCAGAGAATTGGAATA	5537
CAGTATTGCGNNNACGTATGCCA		CACCTATGTNNNACGTATGCCA		CAAAACACTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5058	TGCAGGACCAGAGAATTGGAATA	5298	TGCAGGACCAGAGAATTGGAATA	5538
CATCAGCCGCGNNNACGTATGCCA		CATGGTTTGGNNNACGTATGCCA		CATGTTTGGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5059	TGCAGGACCAGAGAATTGGAATA	5299	TGCAGGACCAGAGAATTGGAATA	5539
CAAGCAGGATNNNACGTATGCCA		CAGCACTCGGNNNACGTATGCCA		CACGCGTGCCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5060	TGCAGGACCAGAGAATTGGAATA	5300	TGCAGGACCAGAGAATTGGAATA	5540
CAGTTAGTGCGNNNACGTATGCCA		CAAAAGAGTTNNNACGTATGCCA		CAGTAATGCCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5061	TGCAGGACCAGAGAATTGGAATA	5301	TGCAGGACCAGAGAATTGGAATA	5541
CAATTGTAGTNNNACGTATGCCA		CAGTTGCTGANNNACGTATGCCA		CAGTTGAGACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5062	TGCAGGACCAGAGAATTGGAATA	5302	TGCAGGACCAGAGAATTGGAATA	5542
CAAGCAGCTTNNNACGTATGCCA		CATCCCCACGNNNACGTATGCCA		CATAATCAGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5063	TGCAGGACCAGAGAATTGGAATA	5303	TGCAGGACCAGAGAATTGGAATA	5543
CACCCCGGTTNNNACGTATGCCA		CAAAATTTGNNNACGTATGCCA		CATTCCCAACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5064	TGCAGGACCAGAGAATTGGAATA	5304	TGCAGGACCAGAGAATTGGAATA	5544
CAATATCTCTNNNACGTATGCCA		CATCCACAGANNNACGTATGCCA		CACCTAGTAGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5065	TGCAGGACCAGAGAATTGGAATA	5305	TGCAGGACCAGAGAATTGGAATA	5545
CAATCTTCATNNNACGTATGCCA		CAAGAGTTTNNNACGTATGCCA		CATTAAATCGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5066	TGCAGGACCAGAGAATTGGAATA	5306	TGCAGGACCAGAGAATTGGAATA	5546
CAGGTACTCANNNACGTATGCCA		CATGGAGCGGNNNACGTATGCCA		CATACAGAGGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5067	TGCAGGACCAGAGAATTGGAATA	5307	TGCAGGACCAGAGAATTGGAATA	5547
CACCACCTATNNNACGTATGCCA		CACITTTAATCANNNACGTATGCCA		CACGGCACGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5068	TGCAGGACCAGAGAATTGGAATA	5308	TGCAGGACCAGAGAATTGGAATA	5548
CAATAATAAANNNACGTATGCCA		CAACGTGAGTNNNACGTATGCCA		CATCTCCCAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5069	TGCAGGACCAGAGAATTGGAATA	5309	TGCAGGACCAGAGAATTGGAATA	5549
CAACATAATCANNNACGTATGCCA		CATGGAGCTTNNNACGTATGCCA		CAGTACTGCGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5070	TGCAGGACCAGAGAATTGGAATA	5310	TGCAGGACCAGAGAATTGGAATA	5550
CACCTTCGTANNNACGTATGCCA		CAGCACACCGNNNACGTATGCCA		CAGTAGTACCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5071	TGCAGGACCAGAGAATTGGAATA	5311	TGCAGGACCAGAGAATTGGAATA	5551
CAGGATCTTGNNNACGTATGCCA		CATTTGCTGCGNNNACGTATGCCA		CATAACCGTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5072	TGCAGGACCAGAGAATTGGAATA	5312	TGCAGGACCAGAGAATTGGAATA	5552
CAGAGCGGTTNNNACGTATGCCA		CACAGCGAAANNNACGTATGCCA		CACGGATAGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5073	TGCAGGACCAGAGAATTGGAATA	5313	TGCAGGACCAGAGAATTGGAATA	5553
CACCTCAAAATNNNACGTATGCCA		CAACGATTGCGNNNACGTATGCCA		CAGGAATAGCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5074	TGCAGGACCAGAGAATTGGAATA	5314	TGCAGGACCAGAGAATTGGAATA	5554
CACAACATGCANNNACGTATGCCA		CATAGCGTTGNNNACGTATGCCA		CAGGAGTCAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5075	TGCAGGACCAGAGAATTGGAATA	5315	TGCAGGACCAGAGAATTGGAATA	5555
CACGGTTCCGNNNACGTATGCCA		CAACGCTGCGNNNACGTATGCCA		CAATTAGCTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5076	TGCAGGACCAGAGAATTGGAATA	5316	TGCAGGACCAGAGAATTGGAATA	5556
CAGTGTGTAGANNNACGTATGCCA		CACITTTATGNNNACGTATGCCA		CAAGACATTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5077	TGCAGGACCAGAGAATTGGAATA	5317	TGCAGGACCAGAGAATTGGAATA	5557
CATCTGAGTGNNNACGTATGCCA		CAGCGAAATGNNNACGTATGCCA		CATCTACGCTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5078	TGCAGGACCAGAGAATTGGAATA	5318	TGCAGGACCAGAGAATTGGAATA	5558
CACAGCCTTTNNNACGTATGCCA		CATTTATTGCGNNNACGTATGCCA		CATGCGCTTCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5079	TGCAGGACCAGAGAATTGGAATA	5319	TGCAGGACCAGAGAATTGGAATA	5559
CAGTGTGTGTTNNNACGTATGCCA		CATCCAGCGGNNNACGTATGCCA		CAAGATCACGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5080	TGCAGGACCAGAGAATTGGAATA	5320	TGCAGGACCAGAGAATTGGAATA	5560
CAATTGTAAACNNNACGTATGCCA		CACGCGATGCGNNNACGTATGCCA		CAATCCTTTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5081	TGCAGGACCAGAGAATTGGAATA	5321	TGCAGGACCAGAGAATTGGAATA	5561
CAAGTTTCATNNNACGTATGCCA		CAATGCTGGTNNNACGTATGCCA		CAGTAGTTCGNNNACGTATGCCA	

FIG. 19B

Pool-22	SEQ ID NO:	Pool-23	SEQ ID NO:	Pool-24	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	5082	TGCAGGACCAGAGAATTGGAATA	5322	TGCAGGACCAGAGAATTGGAATA	5562
CAAAGTCGCTNNNNACGTATGCCA		CAAATGGCCTNNNNACGTATGCCA		CAGGCCCGGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5083	TGCAGGACCAGAGAATTGGAATA	5323	TGCAGGACCAGAGAATTGGAATA	5563
CAATATCAGTNNNNACGTATGCCA		CAGGTTTAGCNNNNACGTATGCCA		CAAGGCCAGGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5084	TGCAGGACCAGAGAATTGGAATA	5324	TGCAGGACCAGAGAATTGGAATA	5564
CATTCTCCGANNNNACGTATGCCA		CATTCCCGAGTNNNNACGTATGCCA		CATTGTGAGGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5085	TGCAGGACCAGAGAATTGGAATA	5325	TGCAGGACCAGAGAATTGGAATA	5565
CATCTTGAAANNNNACGTATGCCA		CAAGCGATGANNNNACGTATGCCA		CAAAATCTGTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5086	TGCAGGACCAGAGAATTGGAATA	5326	TGCAGGACCAGAGAATTGGAATA	5566
CATTACCGAGTNNNNACGTATGCCA		CACCGGTGAGNNNNACGTATGCCA		CAATAAAATNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5087	TGCAGGACCAGAGAATTGGAATA	5327	TGCAGGACCAGAGAATTGGAATA	5567
CAACTTAGATNNNNACGTATGCCA		CAAGTATACTNNNNACGTATGCCA		CATGTGACAGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5088	TGCAGGACCAGAGAATTGGAATA	5328	TGCAGGACCAGAGAATTGGAATA	5568
CACATCGGTANNNNACGTATGCCA		CAGACTGAGANNNNACGTATGCCA		CATCTCATGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5089	TGCAGGACCAGAGAATTGGAATA	5329	TGCAGGACCAGAGAATTGGAATA	5569
CACCAGCGCANNNNACGTATGCCA		CATCACGTTCNNNNACGTATGCCA		CAGAACGCTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5090	TGCAGGACCAGAGAATTGGAATA	5330	TGCAGGACCAGAGAATTGGAATA	5570
CATATCGATANNNNACGTATGCCA		CACCTCACTACNNNNACGTATGCCA		CATCTCAGTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5091	TGCAGGACCAGAGAATTGGAATA	5331	TGCAGGACCAGAGAATTGGAATA	5571
CAAGACTCTGNNNNACGTATGCCA		CAGAAGAGAGNNNNACGTATGCCA		CAGATCGGAANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5092	TGCAGGACCAGAGAATTGGAATA	5332	TGCAGGACCAGAGAATTGGAATA	5572
CAAGAGCACANNNNACGTATGCCA		CACCGTGCACNNNNACGTATGCCA		CACCTCATCGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5093	TGCAGGACCAGAGAATTGGAATA	5333	TGCAGGACCAGAGAATTGGAATA	5573
CATACCGTAGNNNNACGTATGCCA		CAGCAACGAANNNNACGTATGCCA		CAGACGGTAANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5094	TGCAGGACCAGAGAATTGGAATA	5334	TGCAGGACCAGAGAATTGGAATA	5574
CAGAAGGTGTNNNNACGTATGCCA		CAGCTACCTTNNNNACGTATGCCA		CATATATTTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5095	TGCAGGACCAGAGAATTGGAATA	5335	TGCAGGACCAGAGAATTGGAATA	5575
CATTGGACANNNNACGTATGCCA		CAACACCTTCNNNNACGTATGCCA		CATGCATTCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5096	TGCAGGACCAGAGAATTGGAATA	5336	TGCAGGACCAGAGAATTGGAATA	5576
CAGCAATCACNNNNACGTATGCCA		CACCTGTAAANNNNACGTATGCCA		CATATATCTCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5097	TGCAGGACCAGAGAATTGGAATA	5337	TGCAGGACCAGAGAATTGGAATA	5577
CATTGAGCGTNNNNACGTATGCCA		CAATCTCGGANNNNACGTATGCCA		CACCGGCTGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5098	TGCAGGACCAGAGAATTGGAATA	5338	TGCAGGACCAGAGAATTGGAATA	5578
CACAAGTGTCTNNNNACGTATGCCA		CAATGTTGCGNNNNACGTATGCCA		CAGAATCAGGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5099	TGCAGGACCAGAGAATTGGAATA	5339	TGCAGGACCAGAGAATTGGAATA	5579
CAGTCTAATANNNNACGTATGCCA		CAGCACATGTNNNNACGTATGCCA		CATCCTAGAGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5100	TGCAGGACCAGAGAATTGGAATA	5340	TGCAGGACCAGAGAATTGGAATA	5580
CAAGAAATCANNNNACGTATGCCA		CAATCCGGTNNNNACGTATGCCA		CACCGTGTGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5101	TGCAGGACCAGAGAATTGGAATA	5341	TGCAGGACCAGAGAATTGGAATA	5581
CAGCTAGATCANNNNACGTATGCCA		CACATTTTACNNNNACGTATGCCA		CATAGITTTCTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5102	TGCAGGACCAGAGAATTGGAATA	5342	TGCAGGACCAGAGAATTGGAATA	5582
CAGATAAGTANNNNACGTATGCCA		CACGTGCCAGNNNNACGTATGCCA		CAGATACGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5103	TGCAGGACCAGAGAATTGGAATA	5343	TGCAGGACCAGAGAATTGGAATA	5583
CAGGTTTCAGTNNNNACGTATGCCA		CACCGGTAGCNNNNACGTATGCCA		CACCTCGTACTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5104	TGCAGGACCAGAGAATTGGAATA	5344	TGCAGGACCAGAGAATTGGAATA	5584
CAAGCTGACTNNNNACGTATGCCA		CAACATATGTNNNNACGTATGCCA		CAGCACTTTCTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5105	TGCAGGACCAGAGAATTGGAATA	5345	TGCAGGACCAGAGAATTGGAATA	5585
CATGCGCCAGNNNNACGTATGCCA		CATGGTGGCCNNNNACGTATGCCA		CAGTTCTCGTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5106	TGCAGGACCAGAGAATTGGAATA	5346	TGCAGGACCAGAGAATTGGAATA	5586
CATGTGAGTNNNNACGTATGCCA		CACAACTCAGNNNNACGTATGCCA		CACCTTACGTCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5107	TGCAGGACCAGAGAATTGGAATA	5347	TGCAGGACCAGAGAATTGGAATA	5587
CAGAATCGTNNNNACGTATGCCA		CACCAATTTTNNNNACGTATGCCA		CACAGAAGACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5108	TGCAGGACCAGAGAATTGGAATA	5348	TGCAGGACCAGAGAATTGGAATA	5588
CACCCCATGCGNNNNACGTATGCCA		CAAACTGAGGNNNNACGTATGCCA		CATAAGTCTANNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	5109	TGCAGGACCAGAGAATTGGAATA	5349	TGCAGGACCAGAGAATTGGAATA	5589
CACATTAGCGNNNNCTAGCGTTAC		CAACGTAGTCNNNNCTAGCGTTAC		CACATACTAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	5110	TGCAGGACCAGAGAATTGGAATA	5350	TGCAGGACCAGAGAATTGGAATA	5590
CAATCCACCTNNNNCTAGCGTTAC		CAGCATGGCCNNNNCTAGCGTTAC		CACCGAATCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	5111	TGCAGGACCAGAGAATTGGAATA	5351	TGCAGGACCAGAGAATTGGAATA	5591
CAACATGCGTNNNNCTAGCGTTAC		CAAGTCAGAGNNNNCTAGCGTTAC		CACATATTTTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	5112	TGCAGGACCAGAGAATTGGAATA	5352	TGCAGGACCAGAGAATTGGAATA	5592
CAGCTTTACCCNNNNCTAGCGTTAC		CATGAATACTNNNNCTAGCGTTAC		CACCCGACAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	5113	TGCAGGACCAGAGAATTGGAATA	5353	TGCAGGACCAGAGAATTGGAATA	5593
CAAACTCCTNNNNCTAGCGTTAC		CAGTATGAGGNNNNCTAGCGTTAC		CAACTTCGAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	5114	TGCAGGACCAGAGAATTGGAATA	5354	TGCAGGACCAGAGAATTGGAATA	5594
CACCTTTATGTNNNNCTAGCGTTAC		CAGACTTGTGNNNNCTAGCGTTAC		CATGATGCTGNNNNCTAGCGTTAC	

FIG. 19C

Pool-22	SEQ ID NO:	Pool-23	SEQ ID NO:	Pool-24	SEQ ID NO:
TGCAGGACCAGAGAATTTCGAATA	5115	TGCAGGACCAGAGAATTTCGAATA	5355	TGCAGGACCAGAGAATTTCGAATA	5595
CACTCGCCTGNNNCTAGCGTTAC		CAAATTAAGGNNNCTAGCGTTAC		CAGCGCAGGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5116	TGCAGGACCAGAGAATTTCGAATA	5356	TGCAGGACCAGAGAATTTCGAATA	5596
CAATGATGTTNNNCTAGCGTTAC		CACGGTTGTANNNCTAGCGTTAC		CATTCAAAAANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5117	TGCAGGACCAGAGAATTTCGAATA	5357	TGCAGGACCAGAGAATTTCGAATA	5597
CAGAGTTGGANNNCTAGCGTTAC		CACCTGTCGNNNCTAGCGTTAC		CAATGCACAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5118	TGCAGGACCAGAGAATTTCGAATA	5358	TGCAGGACCAGAGAATTTCGAATA	5598
CAACAACACNNNCTAGCGTTAC		CAGTGACGCCNNNCTAGCGTTAC		CAGTTGCCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5119	TGCAGGACCAGAGAATTTCGAATA	5359	TGCAGGACCAGAGAATTTCGAATA	5599
CATACCGCAANNNCTAGCGTTAC		CAGTGTTCGANNNCTAGCGTTAC		CAATTTTCCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5120	TGCAGGACCAGAGAATTTCGAATA	5360	TGCAGGACCAGAGAATTTCGAATA	5600
CAGGTTAAAAANNNCTAGCGTTAC		CACCCGATTNNNCTAGCGTTAC		CACCAGCAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5121	TGCAGGACCAGAGAATTTCGAATA	5361	TGCAGGACCAGAGAATTTCGAATA	5601
CAGCGAAAGTNNNCTAGCGTTAC		CATTTCGCTGNNNCTAGCGTTAC		CACGGACAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5122	TGCAGGACCAGAGAATTTCGAATA	5362	TGCAGGACCAGAGAATTTCGAATA	5602
CAGTGGTCCGNNNCTAGCGTTAC		CAAAGGTCTNNNCTAGCGTTAC		CATCTCGGTTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5123	TGCAGGACCAGAGAATTTCGAATA	5363	TGCAGGACCAGAGAATTTCGAATA	5603
CAGGTGTCCGNNNCTAGCGTTAC		CAGAGCCAAANNNCTAGCGTTAC		CATTTGTATNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5124	TGCAGGACCAGAGAATTTCGAATA	5364	TGCAGGACCAGAGAATTTCGAATA	5604
CATCGCACTNNNCTAGCGTTAC		CACCCCTTCAANNNCTAGCGTTAC		CATTTCTTTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5125	TGCAGGACCAGAGAATTTCGAATA	5365	TGCAGGACCAGAGAATTTCGAATA	5605
CATTGCTCTNNNCTAGCGTTAC		CAGCGCGTTNNNCTAGCGTTAC		CACGAGACTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5126	TGCAGGACCAGAGAATTTCGAATA	5366	TGCAGGACCAGAGAATTTCGAATA	5606
CAACGAGGATNNNCTAGCGTTAC		CACCTCTAGCNNNCTAGCGTTAC		CAAAC TAGAANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5127	TGCAGGACCAGAGAATTTCGAATA	5367	TGCAGGACCAGAGAATTTCGAATA	5607
CAGTAGATGNNNCTAGCGTTAC		CAGTGTAAAAANNNCTAGCGTTAC		CACCTCGATTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5128	TGCAGGACCAGAGAATTTCGAATA	5368	TGCAGGACCAGAGAATTTCGAATA	5608
CACCACACTNNNCTAGCGTTAC		CAACTATGCGNNNCTAGCGTTAC		CAGTGAAGACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5129	TGCAGGACCAGAGAATTTCGAATA	5369	TGCAGGACCAGAGAATTTCGAATA	5609
CAGTTTGGCANNNCTAGCGTTAC		CACCGCAGCANNNCTAGCGTTAC		CAACGTTACGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5130	TGCAGGACCAGAGAATTTCGAATA	5370	TGCAGGACCAGAGAATTTCGAATA	5610
CAACGGTATCANNNCTAGCGTTAC		CAATCAGTGCCNNNCTAGCGTTAC		CACGTCTGCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5131	TGCAGGACCAGAGAATTTCGAATA	5371	TGCAGGACCAGAGAATTTCGAATA	5611
CAATGATAGANNNCTAGCGTTAC		CAGTTCTACNNNCTAGCGTTAC		CAACTCCTACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5132	TGCAGGACCAGAGAATTTCGAATA	5372	TGCAGGACCAGAGAATTTCGAATA	5612
CACAATAACTNNNCTAGCGTTAC		CACACCATAGNNNCTAGCGTTAC		CAGTTAGGTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5133	TGCAGGACCAGAGAATTTCGAATA	5373	TGCAGGACCAGAGAATTTCGAATA	5613
CAGATCCTAGNNNCTAGCGTTAC		CACAAAGATANNNCTAGCGTTAC		CACCTCATGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5134	TGCAGGACCAGAGAATTTCGAATA	5374	TGCAGGACCAGAGAATTTCGAATA	5614
CAATTACCCNNNCTAGCGTTAC		CACAAGGCTTNNNCTAGCGTTAC		CATATTTACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5135	TGCAGGACCAGAGAATTTCGAATA	5375	TGCAGGACCAGAGAATTTCGAATA	5615
CACCTGTGCGNNNCTAGCGTTAC		CAGTCGTTAGNNNCTAGCGTTAC		CACCTTCATGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5136	TGCAGGACCAGAGAATTTCGAATA	5376	TGCAGGACCAGAGAATTTCGAATA	5616
CATATGTGTANNNCTAGCGTTAC		CAAAAGCTTCGNNNCTAGCGTTAC		CAGGACTAGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5137	TGCAGGACCAGAGAATTTCGAATA	5377	TGCAGGACCAGAGAATTTCGAATA	5617
CAGCTCCTTANNNCTAGCGTTAC		CAATGGCTGTNNNCTAGCGTTAC		CAGTGGCAAAANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5138	TGCAGGACCAGAGAATTTCGAATA	5378	TGCAGGACCAGAGAATTTCGAATA	5618
CAAAAAGCGCANNNCTAGCGTTAC		CAATTCTATCANNNCTAGCGTTAC		CAAAATAACGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5139	TGCAGGACCAGAGAATTTCGAATA	5379	TGCAGGACCAGAGAATTTCGAATA	5619
CATGGTATATNNNCTAGCGTTAC		CAGGTAGCAANNNCTAGCGTTAC		CAGTATACCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5140	TGCAGGACCAGAGAATTTCGAATA	5380	TGCAGGACCAGAGAATTTCGAATA	5620
CACATCAGCANNNCTAGCGTTAC		CATGGTGACTNNNCTAGCGTTAC		CACCAATATTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5141	TGCAGGACCAGAGAATTTCGAATA	5381	TGCAGGACCAGAGAATTTCGAATA	5621
CACCTCATTCGNNNCTAGCGTTAC		CATCCTAATTNNNCTAGCGTTAC		CATTCTTTAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5142	TGCAGGACCAGAGAATTTCGAATA	5382	TGCAGGACCAGAGAATTTCGAATA	5622
CAGGCGCATCANNNCTAGCGTTAC		CAGCCCGCGCANNNCTAGCGTTAC		CATGTTCTGTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5143	TGCAGGACCAGAGAATTTCGAATA	5383	TGCAGGACCAGAGAATTTCGAATA	5623
CAAAAGATTGNNNCTAGCGTTAC		CACCCGCAAGNNNCTAGCGTTAC		CACCGGCTCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5144	TGCAGGACCAGAGAATTTCGAATA	5384	TGCAGGACCAGAGAATTTCGAATA	5624
CATGAAAGATNNNCTAGCGTTAC		CATCCCTGGCANNNCTAGCGTTAC		CACGAGTGTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5145	TGCAGGACCAGAGAATTTCGAATA	5385	TGCAGGACCAGAGAATTTCGAATA	5625
CACAGGCTTANNNCTAGCGTTAC		CAGATCCCTTNNNCTAGCGTTAC		CAGCGGTATTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5146	TGCAGGACCAGAGAATTTCGAATA	5386	TGCAGGACCAGAGAATTTCGAATA	5626
CACGAATTGNNNCTAGCGTTAC		CATAGATGAANNNCTAGCGTTAC		CAAAGTCTCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	5147	TGCAGGACCAGAGAATTTCGAATA	5387	TGCAGGACCAGAGAATTTCGAATA	5627
CATAACCACGNNNCTAGCGTTAC		CAAGGCAAGTNNNCTAGCGTTAC		CAGTAGCAAGNNNCTAGCGTTAC	

FIG. 19D

Pool-22	SEQ ID NO:	Pool-23	SEQ ID NO:	Pool-24	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	5148	TGCAGGACCAGAGAATTCTGAATA	5388	TGCAGGACCAGAGAATTCTGAATA	5628
CAAGCAGGTANNNNCTAGCGTTAC		CATAATCTGANNNCTAGCGTTAC		CACGGAGAGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5149	TGCAGGACCAGAGAATTCTGAATA	5389	TGCAGGACCAGAGAATTCTGAATA	5629
CACACAAGGANNNNCTAGCGTTAC		CAGGCCAAAANNNNCTAGCGTTAC		CAGCTTTTGCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5150	TGCAGGACCAGAGAATTCTGAATA	5390	TGCAGGACCAGAGAATTCTGAATA	5630
CAACTAGCCANNNNCTAGCGTTAC		CAAAGCGCTCTNNNNCTAGCGTTAC		CATATGTAGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5151	TGCAGGACCAGAGAATTCTGAATA	5391	TGCAGGACCAGAGAATTCTGAATA	5631
CACACGTGGCANNNNCTAGCGTTAC		CACATGGCCGNNNNCTAGCGTTAC		CAATCTCTCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5152	TGCAGGACCAGAGAATTCTGAATA	5392	TGCAGGACCAGAGAATTCTGAATA	5632
CACCACTCGGNNNNCTAGCGTTAC		CAGGAAGACTGNNNNCTAGCGTTAC		CAGTGTITTCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5153	TGCAGGACCAGAGAATTCTGAATA	5393	TGCAGGACCAGAGAATTCTGAATA	5633
CACACCCCTGNNNNCTAGCGTTAC		CATCAGCTAGNNNNCTAGCGTTAC		CACGTAGTACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5154	TGCAGGACCAGAGAATTCTGAATA	5394	TGCAGGACCAGAGAATTCTGAATA	5634
CACAATACATNNNNCTAGCGTTAC		CACCTAGCTAAGNNNNCTAGCGTTAC		CAGCGGAGATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5155	TGCAGGACCAGAGAATTCTGAATA	5395	TGCAGGACCAGAGAATTCTGAATA	5635
CACTGCATAGNNNNCTAGCGTTAC		CACACTTGGANNNNCTAGCGTTAC		CATAATTACGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5156	TGCAGGACCAGAGAATTCTGAATA	5396	TGCAGGACCAGAGAATTCTGAATA	5636
TGCAGGACCAGAGAATTCTGAATA		CACCTGAAANNNNCTAGCGTTAC		CACGCGCGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5157	TGCAGGACCAGAGAATTCTGAATA	5397	TGCAGGACCAGAGAATTCTGAATA	5637
CAGTCCATTCTNNNNCTAGCGTTAC		CACGCTTAAAGNNNNCTAGCGTTAC		CACGAAGAGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5158	TGCAGGACCAGAGAATTCTGAATA	5398	TGCAGGACCAGAGAATTCTGAATA	5638
CATTAGTGGCANNNNCTAGCGTTAC		CAATATTGTGNNNNCTAGCGTTAC		CAAGCGTGTITNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5159	TGCAGGACCAGAGAATTCTGAATA	5399	TGCAGGACCAGAGAATTCTGAATA	5639
CAACTGGCATNNNNCTAGCGTTAC		CATTTCACGNNNNCTAGCGTTAC		CACGAAGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5160	TGCAGGACCAGAGAATTCTGAATA	5400	TGCAGGACCAGAGAATTCTGAATA	5640
CAATGGTTGCGNNNNCTAGCGTTAC		CATTCCATCGNNNNCTAGCGTTAC		CAGTCTACCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5161	TGCAGGACCAGAGAATTCTGAATA	5401	TGCAGGACCAGAGAATTCTGAATA	5641
CATGGCTCCGNNNNCTAGCGTTAC		CAATGACCCNNNNCTAGCGTTAC		CACATGCGGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5162	TGCAGGACCAGAGAATTCTGAATA	5402	TGCAGGACCAGAGAATTCTGAATA	5642
CAGATTTTCTNNNNCTAGCGTTAC		CAATCAGTCGNNNNCTAGCGTTAC		CATGACGCGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5163	TGCAGGACCAGAGAATTCTGAATA	5403	TGCAGGACCAGAGAATTCTGAATA	5643
CAGCCTACAANNNNCTAGCGTTAC		CACTCTGAAGNNNNCTAGCGTTAC		CAACTTTAGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5164	TGCAGGACCAGAGAATTCTGAATA	5404	TGCAGGACCAGAGAATTCTGAATA	5644
CAGGATTCACNNNNCTAGCGTTAC		CAAAAGTGATNNNNCTAGCGTTAC		CAAGCTCGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5165	TGCAGGACCAGAGAATTCTGAATA	5405	TGCAGGACCAGAGAATTCTGAATA	5645
CAATTGCGAGNNNNCTAGCGTTAC		CATCAACCTCANNNNCTAGCGTTAC		CAAGAGATCCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5166	TGCAGGACCAGAGAATTCTGAATA	5406	TGCAGGACCAGAGAATTCTGAATA	5646
CACGGCTACGNNNNCTAGCGTTAC		CAGCTAATGCGNNNNCTAGCGTTAC		CACTCAATGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5167	TGCAGGACCAGAGAATTCTGAATA	5407	TGCAGGACCAGAGAATTCTGAATA	5647
CAATCCTAGGNNNNCTAGCGTTAC		CATATTGGCGNNNNCTAGCGTTAC		CATATTCGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5168	TGCAGGACCAGAGAATTCTGAATA	5408	TGCAGGACCAGAGAATTCTGAATA	5648
CATCGTACCTNNNNCTAGCGTTAC		CATACTATCTNNNNCTAGCGTTAC		CATTACCTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	5169	TGCAGGACCAGAGAATTCTGAATA	5409	TGCAGGACCAGAGAATTCTGAATA	5649
CACATCTAAANNNGATCGACATG		CAGACTCGGCGNNNGATCGACATG		CACTCTGTACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5170	TGCAGGACCAGAGAATTCTGAATA	5410	TGCAGGACCAGAGAATTCTGAATA	5650
CAAGTGAACGNNNGATCGACATG		CAGCTGTATGNNNGATCGACATG		CATTGATTTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5171	TGCAGGACCAGAGAATTCTGAATA	5411	TGCAGGACCAGAGAATTCTGAATA	5651
CACCTGAACCTGNNNGATCGACATG		CAAAATTGCTNNNGATCGACATG		CAGCACATACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5172	TGCAGGACCAGAGAATTCTGAATA	5412	TGCAGGACCAGAGAATTCTGAATA	5652
CAGATACGAGNNNGATCGACATG		CAACATGTTANNNGATCGACATG		CAGCTTCTGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5173	TGCAGGACCAGAGAATTCTGAATA	5413	TGCAGGACCAGAGAATTCTGAATA	5653
CATTTCCTAANNNGATCGACATG		CAAGATGGACNNNGATCGACATG		CATACGGTACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5174	TGCAGGACCAGAGAATTCTGAATA	5414	TGCAGGACCAGAGAATTCTGAATA	5654
CATAGTCTTTNNNGATCGACATG		CATGTCTCCANNNGATCGACATG		CACACGGTCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5175	TGCAGGACCAGAGAATTCTGAATA	5415	TGCAGGACCAGAGAATTCTGAATA	5655
CAAGTTGCCANNNGATCGACATG		CATTGGCTAGNNNGATCGACATG		CACCAAGGTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5176	TGCAGGACCAGAGAATTCTGAATA	5416	TGCAGGACCAGAGAATTCTGAATA	5656
CAAGCGACAAANNNGATCGACATG		CATAATTTCCNNNGATCGACATG		CAGTTCGCGGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5177	TGCAGGACCAGAGAATTCTGAATA	5417	TGCAGGACCAGAGAATTCTGAATA	5657
CAGGATAAATNNNGATCGACATG		CAGTGTTAATNNNGATCGACATG		CAACGCGACGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5178	TGCAGGACCAGAGAATTCTGAATA	5418	TGCAGGACCAGAGAATTCTGAATA	5658
CATTTGAAACNNNGATCGACATG		CATGAGCAAGNNNGATCGACATG		CACCCCGAGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5179	TGCAGGACCAGAGAATTCTGAATA	5419	TGCAGGACCAGAGAATTCTGAATA	5659
CAGAGGATACNNNGATCGACATG		CACGCCCCATANNNGATCGACATG		CACTCCATGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5180	TGCAGGACCAGAGAATTCTGAATA	5420	TGCAGGACCAGAGAATTCTGAATA	5660
CAACTGGATCANNNGATCGACATG		CAGTCACAGTNNNGATCGACATG		CATTTGCACGNNNGATCGACATG	

FIG. 19E

Pool-22	SEQ ID NO:	Pool-23	SEQ ID NO:	Pool-24	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	5181	TGCAGGACCAGAGAATTCTGAATA	5421	TGCAGGACCAGAGAATTCTGAATA	5661
CAAAATGGATNNNGATCGACATG		CAGTTGGTGTNNNGATCGACATG		CAATTACAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5182	TGCAGGACCAGAGAATTCTGAATA	5422	TGCAGGACCAGAGAATTCTGAATA	5662
CACGCATGATNNNGATCGACATG		CACCTATTACNNNGATCGACATG		CATGCCACCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5183	TGCAGGACCAGAGAATTCTGAATA	5423	TGCAGGACCAGAGAATTCTGAATA	5663
CATACGAATTNNNGATCGACATG		CACCTCGCAANNNGATCGACATG		CAGATTGGAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5184	TGCAGGACCAGAGAATTCTGAATA	5424	TGCAGGACCAGAGAATTCTGAATA	5664
CAGGAAAGCTNNNGATCGACATG		CACCTAGGTGTNNNGATCGACATG		CATCATACCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5185	TGCAGGACCAGAGAATTCTGAATA	5425	TGCAGGACCAGAGAATTCTGAATA	5665
CACCAACAACNNNGATCGACATG		CACAACATATNNNGATCGACATG		CAGGTGGATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5186	TGCAGGACCAGAGAATTCTGAATA	5426	TGCAGGACCAGAGAATTCTGAATA	5666
CAACCGGACCCNNNGATCGACATG		CAACCGATACNNNGATCGACATG		CAGACATTTCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5187	TGCAGGACCAGAGAATTCTGAATA	5427	TGCAGGACCAGAGAATTCTGAATA	5667
CAGGAGTCCCNNGATCGACATG		CACCGAGTCGNNNGATCGACATG		CAATCTGAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5188	TGCAGGACCAGAGAATTCTGAATA	5428	TGCAGGACCAGAGAATTCTGAATA	5668
CACCACGCGAGNNNGATCGACATG		CACAACGCTATNNNGATCGACATG		CAGGCACCCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5189	TGCAGGACCAGAGAATTCTGAATA	5429	TGCAGGACCAGAGAATTCTGAATA	5669
CAACTCGCCCNNGATCGACATG		CATTTTAATTNNNGATCGACATG		CAAAATGTTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5190	TGCAGGACCAGAGAATTCTGAATA	5430	TGCAGGACCAGAGAATTCTGAATA	5670
CACCTGAAGAGNNNGATCGACATG		CAAGTGTATNNNGATCGACATG		CAACCTGGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5191	TGCAGGACCAGAGAATTCTGAATA	5431	TGCAGGACCAGAGAATTCTGAATA	5671
CAGGAGCACGNNNGATCGACATG		CAACTTCAGGNNNGATCGACATG		CAACTGAGAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5192	TGCAGGACCAGAGAATTCTGAATA	5432	TGCAGGACCAGAGAATTCTGAATA	5672
CAGGAGCGACNNNGATCGACATG		CAAGCCGCCNNNGATCGACATG		CAGAATTAAAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5193	TGCAGGACCAGAGAATTCTGAATA	5433	TGCAGGACCAGAGAATTCTGAATA	5673
CAGGAACCTTNNNGATCGACATG		CACCACGGTGNNGATCGACATG		CAATTACGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5194	TGCAGGACCAGAGAATTCTGAATA	5434	TGCAGGACCAGAGAATTCTGAATA	5674
CAGCCCTGTNNNGATCGACATG		CAGGCTCTTNNNGATCGACATG		CACAGTCTAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5195	TGCAGGACCAGAGAATTCTGAATA	5435	TGCAGGACCAGAGAATTCTGAATA	5675
CAAGTAATCTNNNGATCGACATG		CACCTAGCTNNNGATCGACATG		CAATCCCTTGNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5196	TGCAGGACCAGAGAATTCTGAATA	5436	TGCAGGACCAGAGAATTCTGAATA	5676
CACGCTCGAGNNNGATCGACATG		CAATTAGCATNNNGATCGACATG		CATGTCCACTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5197	TGCAGGACCAGAGAATTCTGAATA	5437	TGCAGGACCAGAGAATTCTGAATA	5677
CAGTCATGGTNNNGATCGACATG		CAGCAGCTTANNNGATCGACATG		CAGGTACGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5198	TGCAGGACCAGAGAATTCTGAATA	5438	TGCAGGACCAGAGAATTCTGAATA	5678
CAGATTCCAGNNNGATCGACATG		CAACATACGCCNNNGATCGACATG		CATGAGCAGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5199	TGCAGGACCAGAGAATTCTGAATA	5439	TGCAGGACCAGAGAATTCTGAATA	5679
CACCTATTACTNNNGATCGACATG		CAGTCGAAAGNNNGATCGACATG		CAGATCCGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5200	TGCAGGACCAGAGAATTCTGAATA	5440	TGCAGGACCAGAGAATTCTGAATA	5680
CAAGGTCTACNNNGATCGACATG		CATTCTAGTTNNNGATCGACATG		CATCAGTAAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5201	TGCAGGACCAGAGAATTCTGAATA	5441	TGCAGGACCAGAGAATTCTGAATA	5681
CACCTGTAGANNNGATCGACATG		CACACGCTCCNNNGATCGACATG		CAAATAGATGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5202	TGCAGGACCAGAGAATTCTGAATA	5442	TGCAGGACCAGAGAATTCTGAATA	5682
CATCCTGTCAANNNGATCGACATG		CACCGAGGTCNNNGATCGACATG		CATCGCGCTCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5203	TGCAGGACCAGAGAATTCTGAATA	5443	TGCAGGACCAGAGAATTCTGAATA	5683
CACCCCTGCGTNNNGATCGACATG		CACATTTCAGGNNNGATCGACATG		CAACCGACGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5204	TGCAGGACCAGAGAATTCTGAATA	5444	TGCAGGACCAGAGAATTCTGAATA	5684
CAACAATGAANNNGATCGACATG		CATCCATAGGNNNGATCGACATG		CACACCGACCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5205	TGCAGGACCAGAGAATTCTGAATA	5445	TGCAGGACCAGAGAATTCTGAATA	5685
CAGGTGAGCCNNNGATCGACATG		CATTACTCATNNNGATCGACATG		CAATATCGATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5206	TGCAGGACCAGAGAATTCTGAATA	5446	TGCAGGACCAGAGAATTCTGAATA	5686
CAGGATAGACNNNGATCGACATG		CAATCTGATANNNGATCGACATG		CATACCACGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5207	TGCAGGACCAGAGAATTCTGAATA	5447	TGCAGGACCAGAGAATTCTGAATA	5687
CAGAGTGCCCNNGATCGACATG		CAGTCCACTTNNNGATCGACATG		CAAAGAACGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5208	TGCAGGACCAGAGAATTCTGAATA	5448	TGCAGGACCAGAGAATTCTGAATA	5688
CAAAACGGTGNNGATCGACATG		CACAGGAACANNNGATCGACATG		CAAGTACCTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5209	TGCAGGACCAGAGAATTCTGAATA	5449	TGCAGGACCAGAGAATTCTGAATA	5689
CAAATAGCAANNNGATCGACATG		CACCTAGCTTCNNNGATCGACATG		CAGTTTGTAGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5210	TGCAGGACCAGAGAATTCTGAATA	5450	TGCAGGACCAGAGAATTCTGAATA	5690
CATCAATTGANNNGATCGACATG		CATTTGGCGANNNGATCGACATG		CAGGATTTTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5211	TGCAGGACCAGAGAATTCTGAATA	5451	TGCAGGACCAGAGAATTCTGAATA	5691
CAAGCAATGGNNNGATCGACATG		CACCGGAAGGNNNGATCGACATG		CATAGTATACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5212	TGCAGGACCAGAGAATTCTGAATA	5452	TGCAGGACCAGAGAATTCTGAATA	5692
CAGTAGTGAGNNNGATCGACATG		CATCCCACTNNNGATCGACATG		CACGTATGGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	5213	TGCAGGACCAGAGAATTCTGAATA	5453	TGCAGGACCAGAGAATTCTGAATA	5693
CACACTGCGGNNNGATCGACATG		CATTTCAGGANNNGATCGACATG		CATCCCGGCTNNNGATCGACATG	

FIG. 19F

Pool-22	SEQ ID NO:	Pool-23	SEQ ID NO:	Pool-24	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	5214	TGCAGGACCAGAGAATTGGAATA	5454	TGCAGGACCAGAGAATTGGAATA	5694
CAACCGGCTCCNNNGATCGACATG		CAATTTTACCNNGGATCGACATG		CAGCGCTCTCNNGGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5215	TGCAGGACCAGAGAATTGGAATA	5455	TGCAGGACCAGAGAATTGGAATA	5695
CACTAGGTTGNNNGATCGACATG		CATGGAGTCTNNNGATCGACATG		CACATTCCCANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5216	TGCAGGACCAGAGAATTGGAATA	5456	TGCAGGACCAGAGAATTGGAATA	5696
CATAAAATAANNNGATCGACATG		CACGACGCCNNNGATCGACATG		CATCGCCCCANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5217	TGCAGGACCAGAGAATTGGAATA	5457	TGCAGGACCAGAGAATTGGAATA	5697
CAGTCAAGTANNNGATCGACATG		CATCCCATACNNNGATCGACATG		CATGCATTGGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5218	TGCAGGACCAGAGAATTGGAATA	5458	TGCAGGACCAGAGAATTGGAATA	5698
CAGGTTTCGATNNNGATCGACATG		CAGCCCTTATNNNGATCGACATG		CAATCAGATTNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5219	TGCAGGACCAGAGAATTGGAATA	5459	TGCAGGACCAGAGAATTGGAATA	5699
CACAATGGAGNNNGATCGACATG		CAGTCCCGCTNNNGATCGACATG		CACTTTATGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5220	TGCAGGACCAGAGAATTGGAATA	5460	TGCAGGACCAGAGAATTGGAATA	5700
CACCGAGCGTNNNGATCGACATG		CACGCCCTTNNNGATCGACATG		CAAAAGTTCGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5221	TGCAGGACCAGAGAATTGGAATA	5461	TGCAGGACCAGAGAATTGGAATA	5701
CACAAACGAGNNNGATCGACATG		CATCAGCTTCNNNGATCGACATG		CAACGAGTGANNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5222	TGCAGGACCAGAGAATTGGAATA	5462	TGCAGGACCAGAGAATTGGAATA	5702
CAGATATGTTNNNGATCGACATG		CAGGCTCGTNNNGATCGACATG		CAGAAATTCGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5223	TGCAGGACCAGAGAATTGGAATA	5463	TGCAGGACCAGAGAATTGGAATA	5703
CAGTTCTGTNNNGATCGACATG		CAAGATTGCGNNNGATCGACATG		CAATTATCTCNNGGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5224	TGCAGGACCAGAGAATTGGAATA	5464	TGCAGGACCAGAGAATTGGAATA	5704
CATCTTTTCTNNNGATCGACATG		CAAAACGCGCANNNGATCGACATG		CAGCTCGGCANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5225	TGCAGGACCAGAGAATTGGAATA	5465	TGCAGGACCAGAGAATTGGAATA	5705
CAAAAGACATNNNGATCGACATG		CATTACTATCNNGGATCGACATG		CAGTTAGAGGNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5226	TGCAGGACCAGAGAATTGGAATA	5466	TGCAGGACCAGAGAATTGGAATA	5706
CAACCCATGANNNNGATCGACATG		CATTCAAGATNNNGATCGACATG		CAACAGCTANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5227	TGCAGGACCAGAGAATTGGAATA	5467	TGCAGGACCAGAGAATTGGAATA	5707
CATCCTCACANNNGATCGACATG		CACTCAGTTCNNNGATCGACATG		CAGGAGTGCNNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5228	TGCAGGACCAGAGAATTGGAATA	5468	TGCAGGACCAGAGAATTGGAATA	5708
CATTGAGGTCNNNGATCGACATG		CAAGAAATTGNNNGATCGACATG		CATCGATATANNNGATCGACATG	
TGCAGGACCAGAGAATTGGAATA	5229	TGCAGGACCAGAGAATTGGAATA	5469	TGCAGGACCAGAGAATTGGAATA	5709
CAGCGTACTANNNTGCATCAGGT		CAGACTACCANNNTGCATCAGGT		CAGCGCTAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5230	TGCAGGACCAGAGAATTGGAATA	5470	TGCAGGACCAGAGAATTGGAATA	5710
CAAGGTTAGGNNNTGCATCAGGT		CACACGCTAANNNTGCATCAGGT		CACTGATTAAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5231	TGCAGGACCAGAGAATTGGAATA	5471	TGCAGGACCAGAGAATTGGAATA	5711
CACTCCACATNNNTGCATCAGGT		CAAGTCATATNNNTGCATCAGGT		CACACTTCACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5232	TGCAGGACCAGAGAATTGGAATA	5472	TGCAGGACCAGAGAATTGGAATA	5712
CACGATCTAGNNNTGCATCAGGT		CATCTAGGACNNNTGCATCAGGT		CATAGGCGTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5233	TGCAGGACCAGAGAATTGGAATA	5473	TGCAGGACCAGAGAATTGGAATA	5713
CATCGATAATNNNTGCATCAGGT		CAAGAACCTTNNNTGCATCAGGT		CAATATGTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5234	TGCAGGACCAGAGAATTGGAATA	5474	TGCAGGACCAGAGAATTGGAATA	5714
CACCAAGAGCANNNTGCATCAGGT		CAACCACTGANNNNTGCATCAGGT		CAGTCGATTGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5235	TGCAGGACCAGAGAATTGGAATA	5475	TGCAGGACCAGAGAATTGGAATA	5715
CAGTGGAAATGNNNTGCATCAGGT		CAACACGATCANNNTGCATCAGGT		CAATAGAGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5236	TGCAGGACCAGAGAATTGGAATA	5476	TGCAGGACCAGAGAATTGGAATA	5716
CAAAAAATGCNNNTGCATCAGGT		CAGTTACCAGNNNTGCATCAGGT		CAGACTAAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5237	TGCAGGACCAGAGAATTGGAATA	5477	TGCAGGACCAGAGAATTGGAATA	5717
CAGACTAGTCNNNTGCATCAGGT		CACGCTACCCNNNTGCATCAGGT		CACCTACCTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5238	TGCAGGACCAGAGAATTGGAATA	5478	TGCAGGACCAGAGAATTGGAATA	5718
CACGTAGAAGNNNTGCATCAGGT		CAAGAGGTACNNNTGCATCAGGT		CATAGGAGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5239	TGCAGGACCAGAGAATTGGAATA	5479	TGCAGGACCAGAGAATTGGAATA	5719
CAGTGTGAAGNNNTGCATCAGGT		CAAACTCTTNNNTGCATCAGGT		CACCGTCATTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5240	TGCAGGACCAGAGAATTGGAATA	5480	TGCAGGACCAGAGAATTGGAATA	5720
CAAAGTACTTNNNTGCATCAGGT		CAATATTTAANNNTGCATCAGGT		CAGTGTTCAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5241	TGCAGGACCAGAGAATTGGAATA	5481	TGCAGGACCAGAGAATTGGAATA	5721
CACGAACGTTNNNTGCATCAGGT		CATATCGAATNNNTGCATCAGGT		CAAGCGGTTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5242	TGCAGGACCAGAGAATTGGAATA	5482	TGCAGGACCAGAGAATTGGAATA	5722
CAATTGCTGGNNNTGCATCAGGT		CAGCTAAATTNNNTGCATCAGGT		CAAACTCTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5243	TGCAGGACCAGAGAATTGGAATA	5483	TGCAGGACCAGAGAATTGGAATA	5723
CATGTGTGTGNNNTGCATCAGGT		CATTTACGCCNNNTGCATCAGGT		CATAACGTATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5244	TGCAGGACCAGAGAATTGGAATA	5484	TGCAGGACCAGAGAATTGGAATA	5724
CAACATCTTTNNNTGCATCAGGT		CAGTTTACAGNNNTGCATCAGGT		CAAAGCACTGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5245	TGCAGGACCAGAGAATTGGAATA	5485	TGCAGGACCAGAGAATTGGAATA	5725
CACGATGCTANNNTGCATCAGGT		CAGCATTCCTNNNTGCATCAGGT		CAAGGAGAAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5246	TGCAGGACCAGAGAATTGGAATA	5486	TGCAGGACCAGAGAATTGGAATA	5726
CATAGTCCAGNNNTGCATCAGGT		CATTACACCCNNNTGCATCAGGT		CATCGAACGTTNNNTGCATCAGGT	

FIG. 19G

Pool-22	SEQ ID NO:	Pool-23	SEQ ID NO:	Pool-24	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	5247	TGCAGGACCAGAGAATTGGAATA	5487	TGCAGGACCAGAGAATTGGAATA	5727
CACAGTAATTNNNTGCATCAGGT		CATATTTTATNNNTGCATCAGGT		CACGGACATTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5248	TGCAGGACCAGAGAATTGGAATA	5488	TGCAGGACCAGAGAATTGGAATA	5728
CAAAGGTGGTNNNTGCATCAGGT		CATGTCCGCCNNNTGCATCAGGT		CATTCCGCATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5249	TGCAGGACCAGAGAATTGGAATA	5489	TGCAGGACCAGAGAATTGGAATA	5729
CACGGTGGTNNNTGCATCAGGT		CAAAACCGGTNNNTGCATCAGGT		CACGGGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5250	TGCAGGACCAGAGAATTGGAATA	5490	TGCAGGACCAGAGAATTGGAATA	5730
CAGTGGTTGTNNNTGCATCAGGT		CAGTACCAGATNNNTGCATCAGGT		CAGTTTCTGCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5251	TGCAGGACCAGAGAATTGGAATA	5491	TGCAGGACCAGAGAATTGGAATA	5731
CATGTATCTNNNTGCATCAGGT		CACGGTTCNNNTGCATCAGGT		CAAGACAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5252	TGCAGGACCAGAGAATTGGAATA	5492	TGCAGGACCAGAGAATTGGAATA	5732
CATAAGTCGCNNNTGCATCAGGT		CACGCCATCANNNTGCATCAGGT		CAGACCCCTCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5253	TGCAGGACCAGAGAATTGGAATA	5493	TGCAGGACCAGAGAATTGGAATA	5733
CATAGGAGCANNNTGCATCAGGT		CACCGCAGACNNNTGCATCAGGT		CATACTCGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5254	TGCAGGACCAGAGAATTGGAATA	5494	TGCAGGACCAGAGAATTGGAATA	5734
CACATAAATCANNNTGCATCAGGT		CACGCTTAGANNNTGCATCAGGT		CATTCTGATTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5255	TGCAGGACCAGAGAATTGGAATA	5495	TGCAGGACCAGAGAATTGGAATA	5735
CAAGCTGTACNNNTGCATCAGGT		CAGAAAAGCCNNNTGCATCAGGT		CATACTTAAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5256	TGCAGGACCAGAGAATTGGAATA	5496	TGCAGGACCAGAGAATTGGAATA	5736
CATTGGGCTTNNNTGCATCAGGT		CACCTCATCCANNNTGCATCAGGT		CAGACTACGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5257	TGCAGGACCAGAGAATTGGAATA	5497	TGCAGGACCAGAGAATTGGAATA	5737
CAAGGGCTGGNNNTGCATCAGGT		CAAGAGATATNNNTGCATCAGGT		CAACGAGTCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5258	TGCAGGACCAGAGAATTGGAATA	5498	TGCAGGACCAGAGAATTGGAATA	5738
CAGTCTAGGTNNNTGCATCAGGT		CAATTTGTANNNTGCATCAGGT		CAGATCGTTGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5259	TGCAGGACCAGAGAATTGGAATA	5499	TGCAGGACCAGAGAATTGGAATA	5739
CATCCGTAAAGNNNTGCATCAGGT		CAATAATACNNNTGCATCAGGT		CAGATGGACANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5260	TGCAGGACCAGAGAATTGGAATA	5500	TGCAGGACCAGAGAATTGGAATA	5740
CATATCGGCANNNTGCATCAGGT		CAATTTTGGNNNTGCATCAGGT		CATCGTAGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5261	TGCAGGACCAGAGAATTGGAATA	5501	TGCAGGACCAGAGAATTGGAATA	5741
CAATCATCGNNNTGCATCAGGT		CAGCACAGTTNNNTGCATCAGGT		CACCACATCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5262	TGCAGGACCAGAGAATTGGAATA	5502	TGCAGGACCAGAGAATTGGAATA	5742
CAACGTCTGANNNTGCATCAGGT		CATTAAACANNNTGCATCAGGT		CAGTGTACANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5263	TGCAGGACCAGAGAATTGGAATA	5503	TGCAGGACCAGAGAATTGGAATA	5743
CAACGGTACTNNNTGCATCAGGT		CAATGGAGACNNNTGCATCAGGT		CATTCTTCAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5264	TGCAGGACCAGAGAATTGGAATA	5504	TGCAGGACCAGAGAATTGGAATA	5744
CATGCAAGGANNNTGCATCAGGT		CAAAAGACGCCNNNTGCATCAGGT		CATTACAGTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5265	TGCAGGACCAGAGAATTGGAATA	5505	TGCAGGACCAGAGAATTGGAATA	5745
CAAGACTCACNNNTGCATCAGGT		CAATCCGAACNNNTGCATCAGGT		CAAGACGGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5266	TGCAGGACCAGAGAATTGGAATA	5506	TGCAGGACCAGAGAATTGGAATA	5746
CACAATCAGCANNNTGCATCAGGT		CAGTTAGGAGNNNTGCATCAGGT		CAGGAGCTCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5267	TGCAGGACCAGAGAATTGGAATA	5507	TGCAGGACCAGAGAATTGGAATA	5747
CATGGCTGTANNNTGCATCAGGT		CATGGCCAGCANNNTGCATCAGGT		CAATTAACANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5268	TGCAGGACCAGAGAATTGGAATA	5508	TGCAGGACCAGAGAATTGGAATA	5748
CAGTTTACCCNNNTGCATCAGGT		CAATGTGCACNNNTGCATCAGGT		CAATCGAGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5269	TGCAGGACCAGAGAATTGGAATA	5509	TGCAGGACCAGAGAATTGGAATA	5749
CACGTTCAGTANNNTGCATCAGGT		CAGTACAAACNNNTGCATCAGGT		CAGGAAACGTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5270	TGCAGGACCAGAGAATTGGAATA	5510	TGCAGGACCAGAGAATTGGAATA	5750
CACGACGGAGNNNTGCATCAGGT		CAGTGGCGAGNNNTGCATCAGGT		CATGAAGAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5271	TGCAGGACCAGAGAATTGGAATA	5511	TGCAGGACCAGAGAATTGGAATA	5751
CAATATCGCCNNNTGCATCAGGT		CAAGCTCTCTNNNTGCATCAGGT		CAATCCGGATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5272	TGCAGGACCAGAGAATTGGAATA	5512	TGCAGGACCAGAGAATTGGAATA	5752
CAGCTGGCCANNNTGCATCAGGT		CAACCTCTGNNNTGCATCAGGT		CAGTTGTCTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5273	TGCAGGACCAGAGAATTGGAATA	5513	TGCAGGACCAGAGAATTGGAATA	5753
CACCGTCTCANNNTGCATCAGGT		CATCAGCGTANNNTGCATCAGGT		CATGGATAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5274	TGCAGGACCAGAGAATTGGAATA	5514	TGCAGGACCAGAGAATTGGAATA	5754
CAATAAGTGANNNTGCATCAGGT		CATCAGACGTNNNTGCATCAGGT		CAAAACAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5275	TGCAGGACCAGAGAATTGGAATA	5515	TGCAGGACCAGAGAATTGGAATA	5755
CAGACAGTCTNNNTGCATCAGGT		CATATAGATCANNNTGCATCAGGT		CACGGCGACTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5276	TGCAGGACCAGAGAATTGGAATA	5516	TGCAGGACCAGAGAATTGGAATA	5756
CAGCAAGGTANNNTGCATCAGGT		CAACCCGCCCTNNNTGCATCAGGT		CATTATCGCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5277	TGCAGGACCAGAGAATTGGAATA	5517	TGCAGGACCAGAGAATTGGAATA	5757
CACACGAACCTNNNTGCATCAGGT		CAGCAGGATANNNTGCATCAGGT		CAAGCCACATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5278	TGCAGGACCAGAGAATTGGAATA	5518	TGCAGGACCAGAGAATTGGAATA	5758
CATACACTGGNNNTGCATCAGGT		CAAGAATGCGNNNTGCATCAGGT		CATGCTCATCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	5279	TGCAGGACCAGAGAATTGGAATA	5519	TGCAGGACCAGAGAATTGGAATA	5759
CAATTTCTGTTNNNTGCATCAGGT		CAACAAGTGGNNNTGCATCAGGT		CAGCTGGAGGNNNTGCATCAGGT	

FIG. 19H

Pool-22	SEQ ID NO:	Pool-23	SEQ ID NO:	Pool-24	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CATCTGCGCCNNNTGCATCAGGT	5280	TGCAGGACCAGAGAATTCGAATA CAGTCCGGCANNNTGCATCAGGT	5520	TGCAGGACCAGAGAATTCGAATA CAAAAGATGTNNNTGCATCAGGT	5760
TGCAGGACCAGAGAATTCGAATA CAGGAGCTATNNNTGCATCAGGT	5281	TGCAGGACCAGAGAATTCGAATA CAGCCCTGAGNNNTGCATCAGGT	5521	TGCAGGACCAGAGAATTCGAATA CATCAGAAAANNNTGCATCAGGT	5761
TGCAGGACCAGAGAATTCGAATA CAACGCCATANNNTGCATCAGGT	5282	TGCAGGACCAGAGAATTCGAATA CAAACATATGTNNNTGCATCAGGT	5522	TGCAGGACCAGAGAATTCGAATA CAGTCCTGAANNNTGCATCAGGT	5762
TGCAGGACCAGAGAATTCGAATA CATCCTCTGANNNTGCATCAGGT	5283	TGCAGGACCAGAGAATTCGAATA CATCTGATCCNNNTGCATCAGGT	5523	TGCAGGACCAGAGAATTCGAATA CAGCTAGGCCNNNTGCATCAGGT	5763
TGCAGGACCAGAGAATTCGAATA CAAAITCTAGNNNTGCATCAGGT	5284	TGCAGGACCAGAGAATTCGAATA CATAATAGAGNNNTGCATCAGGT	5524	TGCAGGACCAGAGAATTCGAATA CACTCCTGTANNNTGCATCAGGT	5764
TGCAGGACCAGAGAATTCGAATA CACCTCAGCCNNNTGCATCAGGT	5285	TGCAGGACCAGAGAATTCGAATA CAGGCCGTGNNNTGCATCAGGT	5525	TGCAGGACCAGAGAATTCGAATA CATTGATCAANNNTGCATCAGGT	5765
TGCAGGACCAGAGAATTCGAATA CAACCCCGGANNNTGCATCAGGT	5286	TGCAGGACCAGAGAATTCGAATA CACAAACAAGNNNTGCATCAGGT	5526	TGCAGGACCAGAGAATTCGAATA CACTGTTCGTNNNTGCATCAGGT	5766
TGCAGGACCAGAGAATTCGAATA CAGTGATAGNNNTGCATCAGGT	5287	TGCAGGACCAGAGAATTCGAATA CACCTGAAANNNTGCATCAGGT	5527	TGCAGGACCAGAGAATTCGAATA CATCTTATCANNNTGCATCAGGT	5767
TGCAGGACCAGAGAATTCGAATA CATTGAATTGNNNTGCATCAGGT	5288	TGCAGGACCAGAGAATTCGAATA CACTGCTGTTNNNTGCATCAGGT	5528	TGCAGGACCAGAGAATTCGAATA CATACTGGCANNNTGCATCAGGT	5768

FIG. 20A

Pool-25	SEQ ID NO:	Pool-26	SEQ ID NO:	Pool-27	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
GCGACGTNNNACGTATGCCA	5769	TCTGCTANNNACGTATGCCA	6009	GTACGCCANNNACGTATGCCA	6249
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
CGATCAANNNACGTATGCCA	5770	TACATGANNNACGTATGCCA	6010	ATGTGTNNNACGTATGCCA	6250
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
GCAATCTNNNACGTATGCCA	5771	GAGGATANNNACGTATGCCA	6011	TAGACTGNNNACGTATGCCA	6251
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
TAGGAGANNNACGTATGCCA	5772	GACATGTNNNACGTATGCCA	6012	ATCGTGTNNNACGTATGCCA	6252
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
TGATAACNNNACGTATGCCA	5773	CTTGAAGNNNACGTATGCCA	6013	TATCTCANNNACGTATGCCA	6253
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
AGTACTCNNNACGTATGCCA	5774	AACGATCNNNACGTATGCCA	6014	ACCCTAGNNNACGTATGCCA	6254
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
TGCCCGGNNNACGTATGCCA	5775	ACTAGAGNNNACGTATGCCA	6015	ATCATAGNNNACGTATGCCA	6255
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
AATAGCANNNACGTATGCCA	5776	TGCAGTANNNACGTATGCCA	6016	GTTCTGTNNNACGTATGCCA	6256
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
TCAGACNNNACGTATGCCA	5777	TGTGACNNNACGTATGCCA	6017	TACAAAGNNNACGTATGCCA	6257
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
GTGCGTCNNNACGTATGCCA	5778	CGAATTNNNACGTATGCCA	6018	TCCTCATNNNACGTATGCCA	6258
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
CTTTCCNNNACGTATGCCA	5779	TTGTTTCNNNACGTATGCCA	6019	GTAGCAGNNNACGTATGCCA	6259
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
AATTCANNNACGTATGCCA	5780	GCCGTGANNNACGTATGCCA	6020	AAAACATNNNACGTATGCCA	6260
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
ATGTGCCNNNACGTATGCCA	5781	ACTCAAGNNNACGTATGCCA	6021	TCGCCTANNNACGTATGCCA	6261
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
ACATGACNNNACGTATGCCA	5782	GCAATCCNNNACGTATGCCA	6022	GAGTTGGNNNACGTATGCCA	6262
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
ACCTGGCNNNACGTATGCCA	5783	CCATTATNNNACGTATGCCA	6023	AATATTGNNNACGTATGCCA	6263
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
CAAAATTNNNACGTATGCCA	5784	ATTGCTANNNACGTATGCCA	6024	AACCTCGNNNACGTATGCCA	6264
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
TTGTCCNNNACGTATGCCA	5785	GATCCAANNNACGTATGCCA	6025	GTTAATCNNNACGTATGCCA	6265
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
TCGACGNNNACGTATGCCA	5786	TCGGTGGNNNACGTATGCCA	6026	ACTCTAGNNNACGTATGCCA	6266
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
CCGCTCANNNACGTATGCCA	5787	AGATTAANNNACGTATGCCA	6027	GGAAAAANNNACGTATGCCA	6267
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
TGGACTCNNNACGTATGCCA	5788	TCAGGCTNNNACGTATGCCA	6028	GACTAGCNNNACGTATGCCA	6268
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
TGTAACANNNACGTATGCCA	5789	CGGCCCGNNNACGTATGCCA	6029	ATCGTAGNNNACGTATGCCA	6269
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
TTTACTTNNNACGTATGCCA	5790	TTAAATANNNACGTATGCCA	6030	GGTGTTCNNNACGTATGCCA	6270
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
GGATAAANNNACGTATGCCA	5791	ATGGCGCNNNACGTATGCCA	6031	CCATTAGNNNACGTATGCCA	6271
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
TCCTTCGNNNACGTATGCCA	5792	CGGTTAGNNNACGTATGCCA	6032	GTTCTGTNNNACGTATGCCA	6272
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
GCATACANNNACGTATGCCA	5793	GCCTGGANNNACGTATGCCA	6033	CCGCCTGNNNACGTATGCCA	6273
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
CACCGATNNNACGTATGCCA	5794	TCCTGTGNNNACGTATGCCA	6034	CTACACTNNNACGTATGCCA	6274
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
TTGCTCCNNNACGTATGCCA	5795	GCGCCTANNNACGTATGCCA	6035	GAAGATTNNNACGTATGCCA	6275
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
TCTTCTANNNACGTATGCCA	5796	CCGGCGGNNNACGTATGCCA	6036	GTCTCTCANNNACGTATGCCA	6276
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
CGAAATTNNNACGTATGCCA	5797	TTCCGACANNNACGTATGCCA	6037	CATTATANNNACGTATGCCA	6277
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
AAGTCACNNNACGTATGCCA	5798	AAATGAANNNACGTATGCCA	6038	TGGCATNNNACGTATGCCA	6278
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
GACCCGGNNNACGTATGCCA	5799	AGGATGGNNNACGTATGCCA	6039	ACGTCCANNNACGTATGCCA	6279
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
GCTGCCGNNNACGTATGCCA	5800	TGGAGGTNNNACGTATGCCA	6040	TTAACTANNNACGTATGCCA	6280

FIG. 20B

Pool-25	SEQ ID NO:	Pool-26	SEQ ID NO:	Pool-27	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
CACCTCGTNNNNACGTATGCCA	5801	CGTGAGTNNNNACGTATGCCA	6041	AAAGATGNNNNACGTATGCCA	6281
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
TTACCGANNNNACGTATGCCA	5802	GAACCTCANNNNACGTATGCCA	6042	ATTTCCTNNNNACGTATGCCA	6282
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
TTAGATANNNNACGTATGCCA	5803	TGTGCCANNNNACGTATGCCA	6043	GGCAAANNNNACGTATGCCA	6283
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
GGCTAGANNNNACGTATGCCA	5804	CGGTGCANNNNACGTATGCCA	6044	CGCACANNNNACGTATGCCA	6284
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
CACAGGTNNNNACGTATGCCA	5805	TATTGCCNNNNACGTATGCCA	6045	GGTCGCCNNNNACGTATGCCA	6285
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
ATATTTGNNNNACGTATGCCA	5806	TAAGGCCNNNNACGTATGCCA	6046	GATTCGTNNNNACGTATGCCA	6286
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
TGTGTTTNNNNACGTATGCCA	5807	GTTAAACNNNNACGTATGCCA	6047	GCATCTGNNNNACGTATGCCA	6287
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
AAAAAAGNNNNACGTATGCCA	5808	TTGGTTTNNNNACGTATGCCA	6048	CCACAAANNNNACGTATGCCA	6288
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
GCATGTTNNNNACGTATGCCA	5809	GTAATTTNNNNACGTATGCCA	6049	GTTATACNNNNACGTATGCCA	6289
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
GCCTTTTNNNNACGTATGCCA	5810	TTATCAGNNNNACGTATGCCA	6050	CTATCATNNNNACGTATGCCA	6290
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
CTAATACNNNNACGTATGCCA	5811	GCCTTCTNNNNACGTATGCCA	6051	GGCTCTCANNNNACGTATGCCA	6291
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
TAGCCCCGNNNNACGTATGCCA	5812	GATCCAGNNNNACGTATGCCA	6052	TGATTATNNNNACGTATGCCA	6292
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
AACGTCGNNNNACGTATGCCA	5813	AGTTCCAGNNNNACGTATGCCA	6053	AGACTCGNNNNACGTATGCCA	6293
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
TTCAAGANNNNACGTATGCCA	5814	GCGACATNNNNACGTATGCCA	6054	ACGTTTANNNNACGTATGCCA	6294
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
ACAAGAGNNNNACGTATGCCA	5815	GCAGTAGNNNNACGTATGCCA	6055	AGTAAGTNNNNACGTATGCCA	6295
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
CCGTTTTANNNNACGTATGCCA	5816	TAGTGATNNNNACGTATGCCA	6056	TGTTAACNNNNACGTATGCCA	6296
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
TTAAGAAANNNNACGTATGCCA	5817	ACATTAANNNNACGTATGCCA	6057	AATCACANNNNACGTATGCCA	6297
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
AACCTACNNNNACGTATGCCA	5818	GGTGGCCNNNNACGTATGCCA	6058	ATGCTTCCNNNNACGTATGCCA	6298
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
GGGACTTNNNNACGTATGCCA	5819	CCTGGCCGNNNNACGTATGCCA	6059	GCATTATNNNNACGTATGCCA	6299
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GCACTAANNNNACGTATGCCA	5820	GGCGATCANNNNACGTATGCCA	6060	GGCATAGNNNNACGTATGCCA	6300
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
GTGTTCCANNNNACGTATGCCA	5821	AGACCTGNNNNACGTATGCCA	6061	ATACGCCANNNNACGTATGCCA	6301
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TTTTCAANNNNACGTATGCCA	5822	GACTACNNNNACGTATGCCA	6062	GACCCGCGNNNNACGTATGCCA	6302
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
ATTTCATANNNNACGTATGCCA	5823	TTAGACGNNNNACGTATGCCA	6063	TCCTTAGNNNNACGTATGCCA	6303
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
TGACGACNNNNACGTATGCCA	5824	GGCGGCCNNNNACGTATGCCA	6064	GTGTGCTNNNNACGTATGCCA	6304
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
CTTGTTACNNNNACGTATGCCA	5825	CCGATATNNNNACGTATGCCA	6065	CTGTACTNNNNACGTATGCCA	6305
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
TGCGCGANNNNACGTATGCCA	5826	CCGGCCGNNNNACGTATGCCA	6066	ACACCCGNNNNACGTATGCCA	6306
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
CATGAATNNNNACGTATGCCA	5827	CTCGCTGNNNNACGTATGCCA	6067	TTGGTGGNNNNACGTATGCCA	6307
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
CGAAAGTNNNNACGTATGCCA	5828	AGCCATANNNNACGTATGCCA	6068	TTAGCCANNNNACGTATGCCA	6308
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
AAATAATNNNNACGTATGCCA	5829	ATGGAGCNNNNACGTATGCCA	6069	CGACACTNNNNACGTATGCCA	6309
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
TCGTGTCNNNNACGTATGCCA	5830	CACAGACNNNNACGTATGCCA	6070	CATGACTNNNNACGTATGCCA	6310
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
CGTCTTGNNNNACGTATGCCA	5831	CCGTCCGNNNNACGTATGCCA	6071	AGTTGTANNNNACGTATGCCA	6311
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
ACTGTGTNNNNACGTATGCCA	5832	AATGGACNNNNACGTATGCCA	6072	CTGTTCANNNNACGTATGCCA	6312
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
CATTGGANNNNACGTATGCCA	5833	TGCTCAANNNNACGTATGCCA	6073	TGAGTCANNNNACGTATGCCA	6313

FIG. 20C

Pool-25	SEQ ID NO:	Pool-26	SEQ ID NO:	Pool-27	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
ACAGCGNNNCTAGCGTTAC	5834	GTTCGGANNNCTAGCGTTAC	6074	CATCTTANNNCTAGCGTTAC	6314
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
CCCCGTNNNCTAGCGTTAC	5835	TGCGTGGNNNCTAGCGTTAC	6075	ACATTTNNNCTAGCGTTAC	6315
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
CACCTTGNNNCTAGCGTTAC	5836	CCGTCAANNNCTAGCGTTAC	6076	CCACATANNNCTAGCGTTAC	6316
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
GTACCACNNNCTAGCGTTAC	5837	GTAACGANNNCTAGCGTTAC	6077	AAACAGANNNCTAGCGTTAC	6317
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
CAATGANNNCTAGCGTTAC	5838	TCCGAGTNNNCTAGCGTTAC	6078	GTACCATNNNCTAGCGTTAC	6318
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TTGTTGANNNCTAGCGTTAC	5839	CCAACANNNCTAGCGTTAC	6079	GAAAAAGNNNCTAGCGTTAC	6319
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
CGGAAACNNNCTAGCGTTAC	5840	AGTATATNNNCTAGCGTTAC	6080	CTCTCATNNNCTAGCGTTAC	6320
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
AGAACGTNNNCTAGCGTTAC	5841	CCGATAGNNNCTAGCGTTAC	6081	GGCACAANNNCTAGCGTTAC	6321
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
ACCATGNNNCTAGCGTTAC	5842	TAGTATGNNNCTAGCGTTAC	6082	CGATGAANNNCTAGCGTTAC	6322
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
AAAACGNNNCTAGCGTTAC	5843	CATTCAANNNCTAGCGTTAC	6083	CACCTATNNNCTAGCGTTAC	6323
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
AGTGAGNNNCTAGCGTTAC	5844	TACTGACNNNCTAGCGTTAC	6084	AGGCCGNNNCTAGCGTTAC	6324
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GTGATACNNNCTAGCGTTAC	5845	CTCATTGNNNCTAGCGTTAC	6085	TTTAAATNNNCTAGCGTTAC	6325
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
TGCCCCNNNCTAGCGTTAC	5846	TGGCACTNNNCTAGCGTTAC	6086	CTGTTTTANNNCTAGCGTTAC	6326
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GACAGTANNNCTAGCGTTAC	5847	CCCACGTNNNCTAGCGTTAC	6087	GTTGAANNNCTAGCGTTAC	6327
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
TAGTATANNNCTAGCGTTAC	5848	AAACCTGNNNCTAGCGTTAC	6088	TATGACTNNNCTAGCGTTAC	6328
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
AACCTTGNNNCTAGCGTTAC	5849	GGCCAGTNNNCTAGCGTTAC	6089	AAGACTGNNNCTAGCGTTAC	6329
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
TGTTTATNNNCTAGCGTTAC	5850	ACAACCTNNNCTAGCGTTAC	6090	TGCGTGNNNCTAGCGTTAC	6330
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
ATAGGATNNNCTAGCGTTAC	5851	GGCACATNNNCTAGCGTTAC	6091	TGTCCGANNNCTAGCGTTAC	6331
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
GTCAAGTNNNCTAGCGTTAC	5852	CAAGTACNNNCTAGCGTTAC	6092	GTATATGNNNCTAGCGTTAC	6332
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
CTGTTTCNNNCTAGCGTTAC	5853	ACGACGNNNCTAGCGTTAC	6093	GTCTGATNNNCTAGCGTTAC	6333
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
CCGTGCGNNNCTAGCGTTAC	5854	CGTGATANNNCTAGCGTTAC	6094	ACGCTTANNNCTAGCGTTAC	6334
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
AGCTGCGNNNCTAGCGTTAC	5855	ATTGCGTNNNCTAGCGTTAC	6095	AATTACTNNNCTAGCGTTAC	6335
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
CCTTACGNNNCTAGCGTTAC	5856	GTGTTTNNNCTAGCGTTAC	6096	CGACCCGNNNCTAGCGTTAC	6336
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
ACGAAGCNNNCTAGCGTTAC	5857	GTGTTTTGNNNCTAGCGTTAC	6097	CCTCCAGNNNCTAGCGTTAC	6337
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
AAGTTTTNNNCTAGCGTTAC	5858	CTCCTCGNNNCTAGCGTTAC	6098	TGTATAANNNCTAGCGTTAC	6338
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
CCGTTAANNNCTAGCGTTAC	5859	CACCTGNNNCTAGCGTTAC	6099	TGAGTGNNNCTAGCGTTAC	6339
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
GTGCCAANNNCTAGCGTTAC	5860	AGCGGTGNNNCTAGCGTTAC	6100	AAGTGCCNNNCTAGCGTTAC	6340
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
CAAAACGNNNCTAGCGTTAC	5861	ACAACGNNNCTAGCGTTAC	6101	AGATAAANNNCTAGCGTTAC	6341
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
GTAAGAGNNNCTAGCGTTAC	5862	TTGCTTTNNNCTAGCGTTAC	6102	GAATCACNNNCTAGCGTTAC	6342
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
GACGTCAANNNCTAGCGTTAC	5863	CAGAGAANNNCTAGCGTTAC	6103	AGCTTACNNNCTAGCGTTAC	6343
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
TCCCTAANNNCTAGCGTTAC	5864	ATACCTGNNNCTAGCGTTAC	6104	CATCTGNNNCTAGCGTTAC	6344
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
ATTTCAGANNNCTAGCGTTAC	5865	CTTATTCNNNCTAGCGTTAC	6105	CACGTGNNNCTAGCGTTAC	6345
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
TAGCAACNNNCTAGCGTTAC	5866	GTGTTANNNCTAGCGTTAC	6106	GTGTATGNNNCTAGCGTTAC	6346

FIG. 20D

Pool-25	SEQ ID NO:	Pool-26	SEQ ID NO:	Pool-27	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
AATGCCCTNNNNCTAGCGTTAC	5867	TGACTGCNNNNCTAGCGTTAC	6107	TCTCCGNNNNCTAGCGTTAC	6347
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
ACTTCTCNNNNCTAGCGTTAC	5868	GCAAACGNNNNCTAGCGTTAC	6108	AAGAGTGNNNNCTAGCGTTAC	6348
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
AATTAGCNNNNCTAGCGTTAC	5869	GACTATTNNNNCTAGCGTTAC	6109	AGCTCTCNNNNCTAGCGTTAC	6349
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
GTGTGGCNNNNCTAGCGTTAC	5870	TGAACCCNNNNCTAGCGTTAC	6110	TGGCAGGNNNNCTAGCGTTAC	6350
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
AATCGATNNNNCTAGCGTTAC	5871	GGAAGGNNNNCTAGCGTTAC	6111	GCATCGANNNNCTAGCGTTAC	6351
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
CGATCGCNNNNCTAGCGTTAC	5872	CCTAGTTNNNNCTAGCGTTAC	6112	GGTCCGANNNNCTAGCGTTAC	6352
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
CTCTACNNNNCTAGCGTTAC	5873	AAACCACNNNNCTAGCGTTAC	6113	AGCCACTNNNNCTAGCGTTAC	6353
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
GAAGGCCNNNNCTAGCGTTAC	5874	TGTAGTANNNNCTAGCGTTAC	6114	ATCTTTTNNNNCTAGCGTTAC	6354
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
ATATTAGNNNNCTAGCGTTAC	5875	TACAGCTNNNNCTAGCGTTAC	6115	GCTCTAANNNNCTAGCGTTAC	6355
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
GGTGACNNNNCTAGCGTTAC	5876	GTGTACCNNNNCTAGCGTTAC	6116	CTATGTTNNNNCTAGCGTTAC	6356
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
TGCATGTNNNNCTAGCGTTAC	5877	TTTATGCNNNNCTAGCGTTAC	6117	CCGCGTGNNNNCTAGCGTTAC	6357
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
AAGTGTTNNNNCTAGCGTTAC	5878	ATCCGTGNNNNCTAGCGTTAC	6118	TACTCCTNNNNCTAGCGTTAC	6358
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
CCTTATTNNNNCTAGCGTTAC	5879	GATCTGANNNNCTAGCGTTAC	6119	GAGCCCTNNNNCTAGCGTTAC	6359
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
CTCCACTNNNNCTAGCGTTAC	5880	ATAGATANNNNCTAGCGTTAC	6120	ATCGAGCNNNNCTAGCGTTAC	6360
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
CAAATATTNNNNCTAGCGTTAC	5881	AGTCCTANNNNCTAGCGTTAC	6121	CGTTGAANNNNCTAGCGTTAC	6361
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
AAGATGNNNNCTAGCGTTAC	5882	ATGTGGTNNNNCTAGCGTTAC	6122	GAAAGACNNNNCTAGCGTTAC	6362
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
CCAAGGCCNNNNCTAGCGTTAC	5883	ATCCGCGNNNNCTAGCGTTAC	6123	GTGATCCNNNNCTAGCGTTAC	6363
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
AACGGGANNNNCTAGCGTTAC	5884	CCACATGNNNNCTAGCGTTAC	6124	GTCAACTNNNNCTAGCGTTAC	6364
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT	
AGGCCCTNNNNCTAGCGTTAC	5885	GCCGATANNNNCTAGCGTTAC	6125	GACGCTGNNNNCTAGCGTTAC	6365
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
TTCTAGNNNNCTAGCGTTAC	5886	AAAGCCTNNNNCTAGCGTTAC	6126	TACAAACNNNNCTAGCGTTAC	6366
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
GCAGAAANNNNCTAGCGTTAC	5887	CTGACGTNNNNCTAGCGTTAC	6127	AATGTTCCNNNNCTAGCGTTAC	6367
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
TGCGGTANNNNCTAGCGTTAC	5888	AGCTCGTNNNNCTAGCGTTAC	6128	TATAACNNNNCTAGCGTTAC	6368
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
GATGGAANNNGATCGACATG	5889	GATCGAANNNGATCGACATG	6129	CCGGATANNNGATCGACATG	6369
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
CAATTAANNNGATCGACATG	5890	CGCACANNNGATCGACATG	6130	GCCCTTTNNNGATCGACATG	6370
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
ATAGGCTNNNGATCGACATG	5891	CGACTAANNNGATCGACATG	6131	TACACTGNNNGATCGACATG	6371
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
AAAAATTNNNGATCGACATG	5892	ACCGTTANNNGATCGACATG	6132	GTGTAGTNNNGATCGACATG	6372
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG	
ATACACTNNNGATCGACATG	5893	TGCCCTTNNNGATCGACATG	6133	GAAAGTCNNNGATCGACATG	6373
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT	
ATCGAAANNNGATCGACATG	5894	CGAAACNNNGATCGACATG	6134	TCTGCGTNNNGATCGACATG	6374
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT	
CTATTACNNNGATCGACATG	5895	ACCTTCTNNNGATCGACATG	6135	ACTCGANNNGATCGACATG	6375
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
CCCGATANNNGATCGACATG	5896	TACCTTANNNGATCGACATG	6136	GTCCAAANNNGATCGACATG	6376
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
AAACGCAANNNGATCGACATG	5897	TGCCCTTNNNGATCGACATG	6137	TGAACCGNNNGATCGACATG	6377
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
TGATCGTNNNGATCGACATG	5898	CGACTATNNNGATCGACATG	6138	GCCGCTANNNGATCGACATG	6378
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
GCAGCCANNNGATCGACATG	5899	GCATTCAANNNGATCGACATG	6139	ATACGTCNNNGATCGACATG	6379

FIG. 20E

Pool-25	SEQ ID NO:	Pool-26	SEQ ID NO:	Pool-27	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
GAGCATGNNNGATCGACATG	5900	CTAGAAGNNNGATCGACATG	6140	TTCAACANNNGATCGACATG	6380
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
GTCCACGNNNGATCGACATG	5901	TTATAAANNNGATCGACATG	6141	TGTGCATNNNGATCGACATG	6381
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAG	
AGCATAANNNGATCGACATG	5902	CCCTACANNNGATCGACATG	6142	CCATAGTNNNGATCGACATG	6382
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
ACAGGCGNNNGATCGACATG	5903	CGTCTAGNNNGATCGACATG	6143	TCATCTGNNNGATCGACATG	6383
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAA	
CGGTAGANNNGATCGACATG	5904	AGCTTTGNNNGATCGACATG	6144	ACCGACTNNNGATCGACATG	6384
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
CATTACTNNNGATCGACATG	5905	GAGCGGCGNNNGATCGACATG	6145	ATCGCCGNNNGATCGACATG	6385
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
GAAATANNNGATCGACATG	5906	ATATACANNNGATCGACATG	6146	AGGATCCNNNGATCGACATG	6386
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
GGAAGGTNNNGATCGACATG	5907	AGGCTAGNNNGATCGACATG	6147	TGGCGTTNNNGATCGACATG	6387
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
TGTTTTANNNGATCGACATG	5908	ATCGACGNNNGATCGACATG	6148	TAAATTGNNNGATCGACATG	6388
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
GGATTTGNNNGATCGACATG	5909	GACGCTNNNGATCGACATG	6149	CTACATANNNGATCGACATG	6389
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
GTGGTGNNNGATCGACATG	5910	GTTACCCNNNGATCGACATG	6150	ATCCTCANNNGATCGACATG	6390
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAG	
TGCCTCTNNNGATCGACATG	5911	CCTGCAGNNNGATCGACATG	6151	ATGTGAGNNNGATCGACATG	6391
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
GAGAAGGNNNGATCGACATG	5912	GTAACGTNNNGATCGACATG	6152	GGCCAAANNNGATCGACATG	6392
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC	
CATGGTGNNNGATCGACATG	5913	TCTTATCNNNGATCGACATG	6153	CAAGCTANNNGATCGACATG	6393
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA	
TGCAGCCNNNGATCGACATG	5914	CGTTTGGNNNGATCGACATG	6154	GGAGATCNNNGATCGACATG	6394
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
TGTTAGNNNGATCGACATG	5915	ATTAAAGNNNGATCGACATG	6155	CTCCGACNNNGATCGACATG	6395
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
TGTTCTNNNGATCGACATG	5916	TGCCAGANNNGATCGACATG	6156	GCTGTGNNNGATCGACATG	6396
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT	
AAAGTCCNNNGATCGACATG	5917	GGCATATNNNGATCGACATG	6157	ACCGCCNNNGATCGACATG	6397
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
GTAGCCGNNNGATCGACATG	5918	GTACGCCNNNGATCGACATG	6158	GTCCGCTNNNGATCGACATG	6398
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
GGCTGAANNNGATCGACATG	5919	TACCATNNNGATCGACATG	6159	CTCACGNNNGATCGACATG	6399
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAG	
TAATCTTNNNGATCGACATG	5920	GCACGGTNNNGATCGACATG	6160	CCTGGACNNNGATCGACATG	6400
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
ACTTAATNNNGATCGACATG	5921	GCTTCGTNNNGATCGACATG	6161	CTTGGACNNNGATCGACATG	6401
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
TCACAATNNNGATCGACATG	5922	GCACGTGNNNGATCGACATG	6162	GTTGCCNNNGATCGACATG	6402
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC	
AGCCTGCNNNGATCGACATG	5923	TTACAAANNNGATCGACATG	6163	GGCACGTNNNGATCGACATG	6403
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
CTTAGGANNNGATCGACATG	5924	GATGGCCNNNGATCGACATG	6164	GGTGTGANNNNGATCGACATG	6404
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA	
GTGAGATNNNGATCGACATG	5925	ACCGGCANNNGATCGACATG	6165	ACGACGANNNGATCGACATG	6405
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
GGTTGCTNNNGATCGACATG	5926	CCATAACNNNGATCGACATG	6166	ATCACTCNNNGATCGACATG	6406
TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT	
AGGTGCGNNNGATCGACATG	5927	GAAGTCCNNNGATCGACATG	6167	AATGCTANNNGATCGACATG	6407
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAG		TGCAGGACCAGAGAATTCGAATACAC	
CTCAGACNNNGATCGACATG	5928	CAACACTNNNGATCGACATG	6168	GCCTTGCNNNGATCGACATG	6408
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT	
AATGTATNNNGATCGACATG	5929	CGCTTCTNNNGATCGACATG	6169	GATCAGCNNNGATCGACATG	6409
TGCAGGACCAGAGAATTCGAATACAA		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
ACCATTANNNGATCGACATG	5930	ACCGGCGNNNGATCGACATG	6170	TTCCGGAANNNGATCGACATG	6410
TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAC	
GGCGCTGNNNGATCGACATG	5931	GCTAATANNNGATCGACATG	6171	GCAAATCNNNGATCGACATG	6411
TGCAGGACCAGAGAATTCGAATACAC		TGCAGGACCAGAGAATTCGAATACAT		TGCAGGACCAGAGAATTCGAATACAA	
GCCTGTNNNGATCGACATG	5932	AAGGAGCNNNGATCGACATG	6172	GAGAACNNNGATCGACATG	6412

FIG. 20F

Pool-25	SEQ ID NO:	Pool-26	SEQ ID NO:	Pool-27	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
AGCCGTANNNGATCGACATG	5933	AGTCCGANNNGATCGACATG	6173	CGACGATNNNGATCGACATG	6413
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
GATAGTGNNNGATCGACATG	5934	TATCCTGNNNGATCGACATG	6174	AGCAAGANNNGATCGACATG	6414
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
AAGGCGANNNGATCGACATG	5935	TTGGTCCNNNGATCGACATG	6175	AAAGTAANNNGATCGACATG	6415
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
GGTCCTANNNGATCGACATG	5936	CCTTTTANNNGATCGACATG	6176	AAATCAANNNGATCGACATG	6416
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
ACTGGAGNNNGATCGACATG	5937	TGTTTCGANNNGATCGACATG	6177	TCTGTATNNNGATCGACATG	6417
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TGTTGTNNNGATCGACATG	5938	CTGTGAGNNNGATCGACATG	6178	CTATAGTNNNGATCGACATG	6418
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
CGAAGCGNNNGATCGACATG	5939	TCTGACGNNNGATCGACATG	6179	GTAGTTTNNNGATCGACATG	6419
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
GATCCGTNNNGATCGACATG	5940	ACCTCGTNNNGATCGACATG	6180	GGAACCTNNNGATCGACATG	6420
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
TACCGTNNNGATCGACATG	5941	GCATACGNNNGATCGACATG	6181	GATCTGTNNNGATCGACATG	6421
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
ATCATGTNNNGATCGACATG	5942	AGGTAAGNNNGATCGACATG	6182	TTCCGCTNNNGATCGACATG	6422
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
GTTTTGTNNNGATCGACATG	5943	GACCAANNNGATCGACATG	6183	TTCTACANNNGATCGACATG	6423
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
GATACAGNNNGATCGACATG	5944	GTCCGCCANNNGATCGACATG	6184	CCCAGCCNNNGATCGACATG	6424
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
TTTCGTAGNNNGATCGACATG	5945	TGGAAGCNNNGATCGACATG	6185	TTACCACNNNGATCGACATG	6425
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
GAGATCANNNGATCGACATG	5946	ATACGACNNNGATCGACATG	6186	CCTTCTGNNNGATCGACATG	6426
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
TTTGTANNNGATCGACATG	5947	TCAGCGANNNGATCGACATG	6187	GTGGTCCNNNGATCGACATG	6427
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
TGAACTNNNGATCGACATG	5948	TGCGGTGNNNGATCGACATG	6188	CAAACTGNNNGATCGACATG	6428
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
CTACAGANNNTGCATCAGGT	5949	AGTACTGNNNTGCATCAGGT	6189	TCACGCCNNNTGCATCAGGT	6429
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG	
CATCGATNNNTGCATCAGGT	5950	ATCGAAGNNNTGCATCAGGT	6190	ACGAGCGNNNTGCATCAGGT	6430
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
ACTGCTCANNNTGCATCAGGT	5951	CAAACGCGNNNTGCATCAGGT	6191	GAAATGGCANNNTGCATCAGGT	6431
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
CTGTGTNNNTGCATCAGGT	5952	TTCAATCANNNTGCATCAGGT	6192	CAGTCCCGNNNTGCATCAGGT	6432
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
AGTTCGAANNNTGCATCAGGT	5953	AGATGGTNNNTGCATCAGGT	6193	AAGTATGNNNTGCATCAGGT	6433
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
TGACCAAGNNNTGCATCAGGT	5954	GGCTCATNNNTGCATCAGGT	6194	GTACGTANNNTGCATCAGGT	6434
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
TGGTTATNNNTGCATCAGGT	5955	GGCCGCANNNTGCATCAGGT	6195	AGCGCCANNNTGCATCAGGT	6435
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG	
CGCTCAGNNNTGCATCAGGT	5956	AACTGCGNNNTGCATCAGGT	6196	CTCTCCGNNNTGCATCAGGT	6436
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
GGACCCGNNNTGCATCAGGT	5957	TCCTTGCGNNNTGCATCAGGT	6197	GGCGTACNNNTGCATCAGGT	6437
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG	
TACCACGNNNTGCATCAGGT	5958	CTTAATGNNNTGCATCAGGT	6198	AGAGTGTNNNTGCATCAGGT	6438
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
TATACTNNNTGCATCAGGT	5959	ACCTGCCNNNTGCATCAGGT	6199	TGGAGTNNNTGCATCAGGT	6439
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
CCCGTGANNNTGCATCAGGT	5960	ATGCTTTNNNTGCATCAGGT	6200	CGGCCGANNNTGCATCAGGT	6440
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TGATGACNNNTGCATCAGGT	5961	GGTGCAANNNTGCATCAGGT	6201	TGATTTANNNTGCATCAGGT	6441
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC	
ATGGCATNNNTGCATCAGGT	5962	GGCTAATNNNTGCATCAGGT	6202	CCAACAANNNTGCATCAGGT	6442
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
TGATATCANNNTGCATCAGGT	5963	AGCAAAANNNTGCATCAGGT	6203	GTAGATTNNNTGCATCAGGT	6443
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
GTAAAAGNNNTGCATCAGGT	5964	GCAAGCANNNTGCATCAGGT	6204	CCGGAGGNNNTGCATCAGGT	6444
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
CTTGCCGNNNTGCATCAGGT	5965	TAGTACTNNNTGCATCAGGT	6205	ACCTGAANNNTGCATCAGGT	6445

FIG. 20G

Pool-25	SEQ ID NO:	Pool-26	SEQ ID NO:	Pool-27	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
AGGCACGNNNTGCATCAGGT	5966	CCATGTTNNNTGCATCAGGT	6206	CATGTGCGNNNTGCATCAGGT	6446
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
CTGAGCGNNNTGCATCAGGT	5967	AGCAATGNNNTGCATCAGGT	6207	AGGATCTNNNTGCATCAGGT	6447
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
GTGCTANNNNTGCATCAGGT	5968	ATACCTANNNNTGCATCAGGT	6208	GTTTGTGNNNTGCATCAGGT	6448
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TCAAAGGNNNTGCATCAGGT	5969	ATATTGCGNNNTGCATCAGGT	6209	AATCAAGNNNTGCATCAGGT	6449
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
CGTATGCGNNNTGCATCAGGT	5970	ATCCATANNNTGCATCAGGT	6210	CAACATANNNTGCATCAGGT	6450
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
GAGCGGANNNTGCATCAGGT	5971	CCATTTANNNTGCATCAGGT	6211	TGAAGCGNNNTGCATCAGGT	6451
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
TTTGCCGNNNTGCATCAGGT	5972	AGGTTCTNNNTGCATCAGGT	6212	AAGTGGANNNTGCATCAGGT	6452
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
AGTCTGCGNNNTGCATCAGGT	5973	TGATACGNNNTGCATCAGGT	6213	GCAAAATNNNTGCATCAGGT	6453
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TTCCCTCANNNTGCATCAGGT	5974	CCTTGCTNNNTGCATCAGGT	6214	CAGATCCNNNTGCATCAGGT	6454
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
TGTGAAANNNTGCATCAGGT	5975	ATCAAGTNNNTGCATCAGGT	6215	ACGCCTTNNNTGCATCAGGT	6455
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
CCGTGGTNNNTGCATCAGGT	5976	CTTAGGCGNNNTGCATCAGGT	6216	GCGCTATNNNTGCATCAGGT	6456
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
AGAGGCGNNNTGCATCAGGT	5977	CTGTTCCNNNTGCATCAGGT	6217	GTGATGGNNNTGCATCAGGT	6457
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
TTGATCTNNNTGCATCAGGT	5978	GATCCATNNNTGCATCAGGT	6218	GGATGAANNNTGCATCAGGT	6458
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
CGTCGACNNNTGCATCAGGT	5979	CACTCCGNNNTGCATCAGGT	6219	ACATAGGNNNTGCATCAGGT	6459
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
GATATAANNNTGCATCAGGT	5980	CAAGAGTNNNTGCATCAGGT	6220	TTGCGTGNNNTGCATCAGGT	6460
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
AATTTTANNNTGCATCAGGT	5981	CCGTCTTNNNTGCATCAGGT	6221	TACAGTGNNTGCATCAGGT	6461
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
GCCCCGTGNNNTGCATCAGGT	5982	GCTTAGTNNNTGCATCAGGT	6222	CGTCCACNNNTGCATCAGGT	6462
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
AATAAGNNNTGCATCAGGT	5983	CTAAGCANNNNTGCATCAGGT	6223	AGCCCCATNNNTGCATCAGGT	6463
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
CGACATTNNNTGCATCAGGT	5984	CGCGAAGNNNTGCATCAGGT	6224	GAGGCGCTNNNTGCATCAGGT	6464
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
AGAGAGTNNNTGCATCAGGT	5985	ATTCTTANNNTGCATCAGGT	6225	CCTATCCNNNTGCATCAGGT	6465
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAA	
TTACACNNNTGCATCAGGT	5986	CTACGGTNNNTGCATCAGGT	6226	GGCGAGCNNNTGCATCAGGT	6466
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAG	
TAAGCTANNNTGCATCAGGT	5987	CGGAGCTNNNTGCATCAGGT	6227	AGAACTGNNNTGCATCAGGT	6467
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAT	
TGACCGCANNNTGCATCAGGT	5988	TACTTAANNNTGCATCAGGT	6228	GGTGTGNNNTGCATCAGGT	6468
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC	
CGATATGNNNTGCATCAGGT	5989	GCCGCTCANNNTGCATCAGGT	6229	TAAATCANNNNTGCATCAGGT	6469
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAA	
AGCATTANNNTGCATCAGGT	5990	CGACTTANNNTGCATCAGGT	6230	TTTCCGNNNTGCATCAGGT	6470
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAC	
TAGGCCGNNNTGCATCAGGT	5991	TGGCAAGNNNTGCATCAGGT	6231	CTCCATANNNTGCATCAGGT	6471
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT	
TAGTAACNNNTGCATCAGGT	5992	GGAGGTGNNNTGCATCAGGT	6232	TACTACTNNNTGCATCAGGT	6472
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAT	
ATCACGNNNTGCATCAGGT	5993	CATTAAACNNNTGCATCAGGT	6233	CGTTTATNNNTGCATCAGGT	6473
TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAA	
GATTCTCANNNTGCATCAGGT	5994	AGGAAATNNNTGCATCAGGT	6234	TTCAATGNNNTGCATCAGGT	6474
TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC		TGCAGGACCAGAGAATTGGAATACAA	
AGGAAGANNNTGCATCAGGT	5995	CTAAGTGNNNTGCATCAGGT	6235	ACCACACNNNTGCATCAGGT	6475
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAT	
GTCTGCTNNNTGCATCAGGT	5996	AGACGCTNNNTGCATCAGGT	6236	ACCCGCGNNNTGCATCAGGT	6476
TGCAGGACCAGAGAATTGGAATACAA		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
ATACTCANNNNTGCATCAGGT	5997	TGAAGCANNNNTGCATCAGGT	6237	CATGGCGNNNTGCATCAGGT	6477
TGCAGGACCAGAGAATTGGAATACAT		TGCAGGACCAGAGAATTGGAATACAG		TGCAGGACCAGAGAATTGGAATACAC	
AGTTCCGNNNTGCATCAGGT	5998	GACGCGANNNTGCATCAGGT	6238	CTGAGTANNNTGCATCAGGT	6478

FIG. 20H

Pool-25	SEQ ID NO:	Pool-26	SEQ ID NO:	Pool-27	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATACAA ATTCGTANNNTGCATCAGGT	5999	TGCAGGACCAGAGAATTCTGAATACAT TTTACGTNNNTGCATCAGGT	6239	TGCAGGACCAGAGAATTCTGAATACAG GATGTCTNNNTGCATCAGGT	6479
TGCAGGACCAGAGAATTCTGAATACAG CTGATTGNNNTGCATCAGGT	6000	TGCAGGACCAGAGAATTCTGAATACAG ATGATTTNNNTGCATCAGGT	6240	TGCAGGACCAGAGAATTCTGAATACAA AGACCCTNNNTGCATCAGGT	6480
TGCAGGACCAGAGAATTCTGAATACAT ACCCGAANNNTGCATCAGGT	6001	TGCAGGACCAGAGAATTCTGAATACAA CGGAATGNNNTGCATCAGGT	6241	TGCAGGACCAGAGAATTCTGAATACAG TACTTGNNNTGCATCAGGT	6481
TGCAGGACCAGAGAATTCTGAATACAA GGCCATTNNNTGCATCAGGT	6002	TGCAGGACCAGAGAATTCTGAATACAA ATGGCAGNNNTGCATCAGGT	6242	TGCAGGACCAGAGAATTCTGAATACAT CCTCTCTNNNTGCATCAGGT	6482
TGCAGGACCAGAGAATTCTGAATACAG CTCCCCANNNTGCATCAGGT	6003	TGCAGGACCAGAGAATTCTGAATACAC GACTGATNNNTGCATCAGGT	6243	TGCAGGACCAGAGAATTCTGAATACAT ACTTACTNNNTGCATCAGGT	6483
TGCAGGACCAGAGAATTCTGAATACAT GAACGCTNNNTGCATCAGGT	6004	TGCAGGACCAGAGAATTCTGAATACAA AAGATACNNNTGCATCAGGT	6244	TGCAGGACCAGAGAATTCTGAATACAG GTTTTCCNNNTGCATCAGGT	6484
TGCAGGACCAGAGAATTCTGAATACAC GAGGCAGNNNTGCATCAGGT	6005	TGCAGGACCAGAGAATTCTGAATACAA CGGCATTNNNTGCATCAGGT	6245	TGCAGGACCAGAGAATTCTGAATACAG GATCACTNNNTGCATCAGGT	6485
TGCAGGACCAGAGAATTCTGAATACAG GTGCTATNNNTGCATCAGGT	6006	TGCAGGACCAGAGAATTCTGAATACAC CACGCTCNNNTGCATCAGGT	6246	TGCAGGACCAGAGAATTCTGAATACAT TGATGGCNNNTGCATCAGGT	6486
TGCAGGACCAGAGAATTCTGAATACAA ATTGCCGNNNTGCATCAGGT	6007	TGCAGGACCAGAGAATTCTGAATACAA ACCACTGNNNTGCATCAGGT	6247	TGCAGGACCAGAGAATTCTGAATACAC CACATTNNNTGCATCAGGT	6487
TGCAGGACCAGAGAATTCTGAATACAG GCCGACTNNNTGCATCAGGT	6008	TGCAGGACCAGAGAATTCTGAATACAG TCGAGTTNNNTGCATCAGGT	6248	TGCAGGACCAGAGAATTCTGAATACAC AAAAAGTNNNTGCATCAGGT	6488

FIG. 21A

Pool-28	SEQ ID NO:	Pool-29	SEQ ID NO:	Pool-30	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	6489	TGCAGGACCAGAGAATTCTGAATA	6729	TGCAGGACCAGAGAATTCTGAATA	6969
CACAGTATTANNNNACGTATGCCA		CAGCTGACCGNNNACGTATGCCA		CATATTGCTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6490	TGCAGGACCAGAGAATTCTGAATA	6730	TGCAGGACCAGAGAATTCTGAATA	6970
CAGTACTAATNNNNACGTATGCCA		CACCAGCATANNNNACGTATGCCA		CACCATTAAANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6491	TGCAGGACCAGAGAATTCTGAATA	6731	TGCAGGACCAGAGAATTCTGAATA	6971
CATTTTATGCTNNNNACGTATGCCA		CACGAAGGATNNNNACGTATGCCA		CAGTTGGCGCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6492	TGCAGGACCAGAGAATTCTGAATA	6732	TGCAGGACCAGAGAATTCTGAATA	6972
CAGTCAATCCTNNNNACGTATGCCA		CACGACGAGGNNNNACGTATGCCA		CACTGGCGTGNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6493	TGCAGGACCAGAGAATTCTGAATA	6733	TGCAGGACCAGAGAATTCTGAATA	6973
CACGAATAAANNNNACGTATGCCA		CATATAACCAANNNNACGTATGCCA		CAAAATACCCGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6494	TGCAGGACCAGAGAATTCTGAATA	6734	TGCAGGACCAGAGAATTCTGAATA	6974
CAGACGTATCNNNNACGTATGCCA		CAGTGGTTTGNNNACGTATGCCA		CACACAAACCCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6495	TGCAGGACCAGAGAATTCTGAATA	6735	TGCAGGACCAGAGAATTCTGAATA	6975
CAAAATTCACANNNNACGTATGCCA		CAGTTGCGATNNNNACGTATGCCA		CAATTAAATCANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6496	TGCAGGACCAGAGAATTCTGAATA	6736	TGCAGGACCAGAGAATTCTGAATA	6976
CAAATCCGCANNNNACGTATGCCA		CAATACCCCTCNNNNACGTATGCCA		CAGATTAGCCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6497	TGCAGGACCAGAGAATTCTGAATA	6737	TGCAGGACCAGAGAATTCTGAATA	6977
CAACCTATTNNNNACGTATGCCA		CACTCGAAGTNNNNACGTATGCCA		CAGACAAAAATNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6498	TGCAGGACCAGAGAATTCTGAATA	6738	TGCAGGACCAGAGAATTCTGAATA	6978
CAGCTTACTCNNNNACGTATGCCA		CACAGGCCGTTNNNNACGTATGCCA		CAAAATATTTANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6499	TGCAGGACCAGAGAATTCTGAATA	6739	TGCAGGACCAGAGAATTCTGAATA	6979
CATTGGATGCGNNNACGTATGCCA		CAATAGTCAATNNNNACGTATGCCA		CAAAAAGTCANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6500	TGCAGGACCAGAGAATTCTGAATA	6740	TGCAGGACCAGAGAATTCTGAATA	6980
CAGCGGACGANNNNACGTATGCCA		CACTCCGTCGNNNNACGTATGCCA		CAGTCTATAANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6501	TGCAGGACCAGAGAATTCTGAATA	6741	TGCAGGACCAGAGAATTCTGAATA	6981
CAACAAGTTTNNNNACGTATGCCA		CAGTGCCGTTGNNNNACGTATGCCA		CAAAAACGTTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6502	TGCAGGACCAGAGAATTCTGAATA	6742	TGCAGGACCAGAGAATTCTGAATA	6982
CATATCTCATNNNNACGTATGCCA		CAAGTAAAGTNNNNACGTATGCCA		CATTGCTCTGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6503	TGCAGGACCAGAGAATTCTGAATA	6743	TGCAGGACCAGAGAATTCTGAATA	6983
CAGGTTTGGTNNNNACGTATGCCA		CATATTGCAANNNNACGTATGCCA		CAATGATGAANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6504	TGCAGGACCAGAGAATTCTGAATA	6744	TGCAGGACCAGAGAATTCTGAATA	6984
CATAATTCCTNNNNACGTATGCCA		CAACCCAGCGNNNNACGTATGCCA		CATCCCTGTANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6505	TGCAGGACCAGAGAATTCTGAATA	6745	TGCAGGACCAGAGAATTCTGAATA	6985
CAACGTCGTANNNNACGTATGCCA		CATGTCAAATNNNNACGTATGCCA		CAACATCCGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6506	TGCAGGACCAGAGAATTCTGAATA	6746	TGCAGGACCAGAGAATTCTGAATA	6986
CAGAAGCTAGNNNNACGTATGCCA		CAGTGAACGNNNNACGTATGCCA		CATTAGATCANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6507	TGCAGGACCAGAGAATTCTGAATA	6747	TGCAGGACCAGAGAATTCTGAATA	6987
CAACGAATCCNNNNACGTATGCCA		CAAGCGGATANNNNACGTATGCCA		CACGCTACCCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6508	TGCAGGACCAGAGAATTCTGAATA	6748	TGCAGGACCAGAGAATTCTGAATA	6988
CATCTTAATCNNNNACGTATGCCA		CAACGCGAGTTNNNNACGTATGCCA		CACTCTAACCCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6509	TGCAGGACCAGAGAATTCTGAATA	6749	TGCAGGACCAGAGAATTCTGAATA	6989
CAGCTTTTCGNNNNACGTATGCCA		CATAAGGATANNNNACGTATGCCA		CACGTCATCTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6510	TGCAGGACCAGAGAATTCTGAATA	6750	TGCAGGACCAGAGAATTCTGAATA	6990
CATGCTGAGTNNNNACGTATGCCA		CATAGTGGAGNNNNACGTATGCCA		CACACCTATCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6511	TGCAGGACCAGAGAATTCTGAATA	6751	TGCAGGACCAGAGAATTCTGAATA	6991
CACGTTGCAANNNNACGTATGCCA		CATGTGGAAGNNNNACGTATGCCA		CATCGCTATCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6512	TGCAGGACCAGAGAATTCTGAATA	6752	TGCAGGACCAGAGAATTCTGAATA	6992
CACAGTACGTTNNNNACGTATGCCA		CACCCAGGTCNNNNACGTATGCCA		CAGAAGGCCGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6513	TGCAGGACCAGAGAATTCTGAATA	6753	TGCAGGACCAGAGAATTCTGAATA	6993
CATGGATTTANNNNACGTATGCCA		CAGTAACGGANNNNACGTATGCCA		CAGTTTTTCGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6514	TGCAGGACCAGAGAATTCTGAATA	6754	TGCAGGACCAGAGAATTCTGAATA	6994
CAGTGTAGAGNNNNACGTATGCCA		CATTCTACATNNNNACGTATGCCA		CAAGTGGCCCNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6515	TGCAGGACCAGAGAATTCTGAATA	6755	TGCAGGACCAGAGAATTCTGAATA	6995
CACCTTTAGAAANNNNACGTATGCCA		CATCAATGATNNNNACGTATGCCA		CAAGCCATACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6516	TGCAGGACCAGAGAATTCTGAATA	6756	TGCAGGACCAGAGAATTCTGAATA	6996
CAATATAGTCNNNNACGTATGCCA		CATCGCGAATNNNNACGTATGCCA		CAATTCCGAGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6517	TGCAGGACCAGAGAATTCTGAATA	6757	TGCAGGACCAGAGAATTCTGAATA	6997
CAGTAGAGCANNNNACGTATGCCA		CATAATGACTNNNNACGTATGCCA		CACAACCGATNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6518	TGCAGGACCAGAGAATTCTGAATA	6758	TGCAGGACCAGAGAATTCTGAATA	6998
CATAAATACCCNNNNACGTATGCCA		CACAGGTTTGNNNACGTATGCCA		CAAAGTATGANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6519	TGCAGGACCAGAGAATTCTGAATA	6759	TGCAGGACCAGAGAATTCTGAATA	6999
CACAGGACAANNNNACGTATGCCA		CATTCCGCTTNNNNACGTATGCCA		CAATCTGCCCTNNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6520	TGCAGGACCAGAGAATTCTGAATA	6760	TGCAGGACCAGAGAATTCTGAATA	7000
CAATATCACANNNNACGTATGCCA		CACCTTAFTANNNNACGTATGCCA		CACTCATTTANNNNACGTATGCCA	
TGCAGGACCAGAGAATTCTGAATA	6521	TGCAGGACCAGAGAATTCTGAATA	6761	TGCAGGACCAGAGAATTCTGAATA	7001
CATGAATCATNNNNACGTATGCCA		CATAGCATGCGNNNNACGTATGCCA		CATAAATCACNNNNACGTATGCCA	

FIG. 21B

Pool-28	SEQ ID NO:	Pool-29	SEQ ID NO:	Pool-30	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	6522	TGCAGGACCAGAGAATTGGAATA	6762	TGCAGGACCAGAGAATTGGAATA	7002
CACCTACGTAGNNNACGTATGCCA		CAAAAACGCGNNNACGTATGCCA		CACCGAGACNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6523	TGCAGGACCAGAGAATTGGAATA	6763	TGCAGGACCAGAGAATTGGAATA	7003
CAGTACATCGNNNACGTATGCCA		CATAGCTGACNNNACGTATGCCA		CATCGCCACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6524	TGCAGGACCAGAGAATTGGAATA	6764	TGCAGGACCAGAGAATTGGAATA	7004
CACGCAGTGCNNNACGTATGCCA		CACCTACCCGNNNACGTATGCCA		CAACGACTGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6525	TGCAGGACCAGAGAATTGGAATA	6765	TGCAGGACCAGAGAATTGGAATA	7005
CAAACAAAGTNNNACGTATGCCA		CAAGCTGTCAANNACGTATGCCA		CAGTTTAGCGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6526	TGCAGGACCAGAGAATTGGAATA	6766	TGCAGGACCAGAGAATTGGAATA	7006
CAAAACTTCANNNACGTATGCCA		CACCTCAGCNNNACGTATGCCA		CAGTTTCAAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6527	TGCAGGACCAGAGAATTGGAATA	6767	TGCAGGACCAGAGAATTGGAATA	7007
CAAGGAGCCGNNNACGTATGCCA		CACACGTTCTNNNACGTATGCCA		CAGAATGCGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6528	TGCAGGACCAGAGAATTGGAATA	6768	TGCAGGACCAGAGAATTGGAATA	7008
CACGTGACATNNNACGTATGCCA		CAACCGAACANNNACGTATGCCA		CAACCGCTAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6529	TGCAGGACCAGAGAATTGGAATA	6769	TGCAGGACCAGAGAATTGGAATA	7009
CAATACATCANNNACGTATGCCA		CAGATCATTANNNACGTATGCCA		CAGTCACCAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6530	TGCAGGACCAGAGAATTGGAATA	6770	TGCAGGACCAGAGAATTGGAATA	7010
CAAAATAACCTNNNACGTATGCCA		CACCTAGAACNNNACGTATGCCA		CATTGGACTGNNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6531	TGCAGGACCAGAGAATTGGAATA	6771	TGCAGGACCAGAGAATTGGAATA	7011
CACCAGCTTTNNNACGTATGCCA		CATTTAGGTANNNACGTATGCCA		CAAAGCTTGCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6532	TGCAGGACCAGAGAATTGGAATA	6772	TGCAGGACCAGAGAATTGGAATA	7012
CATCCGTTTGNNNACGTATGCCA		CATGATATTGNNNACGTATGCCA		CATTATTTATNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6533	TGCAGGACCAGAGAATTGGAATA	6773	TGCAGGACCAGAGAATTGGAATA	7013
CACAGTCGGCNNNACGTATGCCA		CAGCGAAACANNNACGTATGCCA		CATACAATGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6534	TGCAGGACCAGAGAATTGGAATA	6774	TGCAGGACCAGAGAATTGGAATA	7014
CATGATCGGTNNNACGTATGCCA		CAACTAACGCGNNNACGTATGCCA		CAAAAGTGGCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6535	TGCAGGACCAGAGAATTGGAATA	6775	TGCAGGACCAGAGAATTGGAATA	7015
CAACACACACNNNACGTATGCCA		CATACTTGCCNNNACGTATGCCA		CAGCTGCTCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6536	TGCAGGACCAGAGAATTGGAATA	6776	TGCAGGACCAGAGAATTGGAATA	7016
CATCAGCGAANNNACGTATGCCA		CACGTGCTAANNNACGTATGCCA		CAGCTGATACNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6537	TGCAGGACCAGAGAATTGGAATA	6777	TGCAGGACCAGAGAATTGGAATA	7017
CATCGTACTCANNNACGTATGCCA		CAAAACAGTANNNACGTATGCCA		CACTTTGATTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6538	TGCAGGACCAGAGAATTGGAATA	6778	TGCAGGACCAGAGAATTGGAATA	7018
CATTTCAGACGNNNACGTATGCCA		CAGCATCATGNNNACGTATGCCA		CACCTTGAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6539	TGCAGGACCAGAGAATTGGAATA	6779	TGCAGGACCAGAGAATTGGAATA	7019
CAGCGCACGTNNNACGTATGCCA		CAACCTCGAANNNACGTATGCCA		CAACTTCCGTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6540	TGCAGGACCAGAGAATTGGAATA	6780	TGCAGGACCAGAGAATTGGAATA	7020
CACCAGACATNNNACGTATGCCA		CAACAGCTACNNNACGTATGCCA		CACAAGATCCNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6541	TGCAGGACCAGAGAATTGGAATA	6781	TGCAGGACCAGAGAATTGGAATA	7021
CATATTGATGNNNACGTATGCCA		CACGTCAACANNNACGTATGCCA		CAGTCGCCTCANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6542	TGCAGGACCAGAGAATTGGAATA	6782	TGCAGGACCAGAGAATTGGAATA	7022
CACGAGATAGNNNACGTATGCCA		CACCGGCCCCNNNACGTATGCCA		CAGTGGTGAANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6543	TGCAGGACCAGAGAATTGGAATA	6783	TGCAGGACCAGAGAATTGGAATA	7023
CAATACGAAANNNACGTATGCCA		CATCGCGTGGNNNACGTATGCCA		CAAGTAAGTANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6544	TGCAGGACCAGAGAATTGGAATA	6784	TGCAGGACCAGAGAATTGGAATA	7024
CAGATGAGACNNNACGTATGCCA		CAAAGACTGGNNNACGTATGCCA		CAATTTATTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6545	TGCAGGACCAGAGAATTGGAATA	6785	TGCAGGACCAGAGAATTGGAATA	7025
CATACAATCANNNACGTATGCCA		CAGCAATGAGNNNACGTATGCCA		CAGGAATCGANNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6546	TGCAGGACCAGAGAATTGGAATA	6786	TGCAGGACCAGAGAATTGGAATA	7026
CATTTAATAANNNACGTATGCCA		CAAGGAGCTANNNACGTATGCCA		CACGTGCTTTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6547	TGCAGGACCAGAGAATTGGAATA	6787	TGCAGGACCAGAGAATTGGAATA	7027
CAGCGCGTCANNNACGTATGCCA		CACCTGAGATTNNNACGTATGCCA		CAGTTAACTNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6548	TGCAGGACCAGAGAATTGGAATA	6788	TGCAGGACCAGAGAATTGGAATA	7028
CACGATGATCANNNACGTATGCCA		CAACGGAGGCGNNNACGTATGCCA		CAATCTTAAGNNNACGTATGCCA	
TGCAGGACCAGAGAATTGGAATA	6549	TGCAGGACCAGAGAATTGGAATA	6789	TGCAGGACCAGAGAATTGGAATA	7029
CACCGAAGCCNNNCTAGCGTTAC		CAGATCGGCCNNNCTAGCGTTAC		CAAACCTCAGCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	6550	TGCAGGACCAGAGAATTGGAATA	6790	TGCAGGACCAGAGAATTGGAATA	7030
CACCAAACACNNNCTAGCGTTAC		CATGCTGCAANNNCTAGCGTTAC		CAACGAAAGCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	6551	TGCAGGACCAGAGAATTGGAATA	6791	TGCAGGACCAGAGAATTGGAATA	7031
CAGGTCTTCTNNNCTAGCGTTAC		CATCGGAATCANNNCTAGCGTTAC		CAGCGTAATCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	6552	TGCAGGACCAGAGAATTGGAATA	6792	TGCAGGACCAGAGAATTGGAATA	7032
CACCTCGGTCNNNCTAGCGTTAC		CAGACGGCTCANNNCTAGCGTTAC		CAAGGTGGTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	6553	TGCAGGACCAGAGAATTGGAATA	6793	TGCAGGACCAGAGAATTGGAATA	7033
CACCGCTGGANNNCTAGCGTTAC		CAAGTTGGAGNNNCTAGCGTTAC		CACTTGAGTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTGGAATA	6554	TGCAGGACCAGAGAATTGGAATA	6794	TGCAGGACCAGAGAATTGGAATA	7034
CAACCACCTTNNNCTAGCGTTAC		CAAGTACGTCNNNCTAGCGTTAC		CACCTCGCGTNNNCTAGCGTTAC	

FIG. 21C

Pool-28	SEQ ID NO:	Pool-29	SEQ ID NO:	Pool-30	SEQ ID NO:
TGCAGGACCAGAGAATTTCGAATA	6555	TGCAGGACCAGAGAATTTCGAATA	6795	TGCAGGACCAGAGAATTTCGAATA	7035
CATCTAAGTANNNNCTAGCGTTAC		CACGATTAAATNNNNCTAGCGTTAC		CAGGCCATAATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6556	TGCAGGACCAGAGAATTTCGAATA	6796	TGCAGGACCAGAGAATTTCGAATA	7036
CAATTATAATNNNNCTAGCGTTAC		CATTACGCCCTNNNNCTAGCGTTAC		CAACCCCTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6557	TGCAGGACCAGAGAATTTCGAATA	6797	TGCAGGACCAGAGAATTTCGAATA	7037
CATGGACCGNNNNCTAGCGTTAC		CAAGGAGTTGNNNNCTAGCGTTAC		CACCCATACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6558	TGCAGGACCAGAGAATTTCGAATA	6798	TGCAGGACCAGAGAATTTCGAATA	7038
CACTTCATTANNNNCTAGCGTTAC		CAGTACACCANNNNCTAGCGTTAC		CATAGAACAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6559	TGCAGGACCAGAGAATTTCGAATA	6799	TGCAGGACCAGAGAATTTCGAATA	7039
CAACGCACTANNNNCTAGCGTTAC		CAGGAAAATNNNNCTAGCGTTAC		CACCGGAGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6560	TGCAGGACCAGAGAATTTCGAATA	6800	TGCAGGACCAGAGAATTTCGAATA	7040
CATCATGGCANNNNCTAGCGTTAC		CACGGTTCTTNNNNCTAGCGTTAC		CAATGAACAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6561	TGCAGGACCAGAGAATTTCGAATA	6801	TGCAGGACCAGAGAATTTCGAATA	7041
CAGGCTTAACNNNNCTAGCGTTAC		CAGGTCGACNNNNCTAGCGTTAC		CATTGCAAGCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6562	TGCAGGACCAGAGAATTTCGAATA	6802	TGCAGGACCAGAGAATTTCGAATA	7042
CAATGGTATTNNNNCTAGCGTTAC		CATTGCGCTCANNNNCTAGCGTTAC		CAAAACAACAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6563	TGCAGGACCAGAGAATTTCGAATA	6803	TGCAGGACCAGAGAATTTCGAATA	7043
CAGTATGCTGNNNNCTAGCGTTAC		CACGCGAGGTTNNNNCTAGCGTTAC		CATCCTTTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6564	TGCAGGACCAGAGAATTTCGAATA	6804	TGCAGGACCAGAGAATTTCGAATA	7044
CAATCGTGGTNNNNCTAGCGTTAC		CAGCTGTGCGNNNNCTAGCGTTAC		CAAAACGAATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6565	TGCAGGACCAGAGAATTTCGAATA	6805	TGCAGGACCAGAGAATTTCGAATA	7045
CAGCTTAGGTNNNNCTAGCGTTAC		CACACAGTANNNNCTAGCGTTAC		CATCCAGTGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6566	TGCAGGACCAGAGAATTTCGAATA	6806	TGCAGGACCAGAGAATTTCGAATA	7046
CATCTGTATTNNNNCTAGCGTTAC		CAATCATTGANNNNCTAGCGTTAC		CACTTCAAAAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6567	TGCAGGACCAGAGAATTTCGAATA	6807	TGCAGGACCAGAGAATTTCGAATA	7047
CAGGATAGCANNNNCTAGCGTTAC		CATAATCATGNNNNCTAGCGTTAC		CATATCTAGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6568	TGCAGGACCAGAGAATTTCGAATA	6808	TGCAGGACCAGAGAATTTCGAATA	7048
CATTCACTCGNNNNCTAGCGTTAC		CAGTTGACANNNNCTAGCGTTAC		CAAAACGGCTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6569	TGCAGGACCAGAGAATTTCGAATA	6809	TGCAGGACCAGAGAATTTCGAATA	7049
CATTCCGACANNNNCTAGCGTTAC		CAACTCATGGNNNNCTAGCGTTAC		CAACTTTTCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6570	TGCAGGACCAGAGAATTTCGAATA	6810	TGCAGGACCAGAGAATTTCGAATA	7050
CACGGTCGGTNNNNCTAGCGTTAC		CACCCAGTTTNNNNCTAGCGTTAC		CAAGTGCTTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6571	TGCAGGACCAGAGAATTTCGAATA	6811	TGCAGGACCAGAGAATTTCGAATA	7051
CAAGATCGCTNNNNCTAGCGTTAC		CATCAAGGAGNNNNCTAGCGTTAC		CAATGGTCCANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6572	TGCAGGACCAGAGAATTTCGAATA	6812	TGCAGGACCAGAGAATTTCGAATA	7052
CAGCAITTCGANNNNCTAGCGTTAC		CAAAACGCTTGNNNCTAGCGTTAC		CAGCCGCCCTANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6573	TGCAGGACCAGAGAATTTCGAATA	6813	TGCAGGACCAGAGAATTTCGAATA	7053
CACGCTGATANNNNCTAGCGTTAC		CACITATATCNNNNCTAGCGTTAC		CAGTTGCTCTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6574	TGCAGGACCAGAGAATTTCGAATA	6814	TGCAGGACCAGAGAATTTCGAATA	7054
CACGGTTAACNNNNCTAGCGTTAC		CAAGTGTCANNNNCTAGCGTTAC		CAGCATATATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6575	TGCAGGACCAGAGAATTTCGAATA	6815	TGCAGGACCAGAGAATTTCGAATA	7055
CAAAATGTCATNNNNCTAGCGTTAC		CAAGCGACGGNNNNCTAGCGTTAC		CAGGTCTTGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6576	TGCAGGACCAGAGAATTTCGAATA	6816	TGCAGGACCAGAGAATTTCGAATA	7056
CAGCAAGACANNNNCTAGCGTTAC		CACCTGTCCGNNNNCTAGCGTTAC		CAACTATTTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6577	TGCAGGACCAGAGAATTTCGAATA	6817	TGCAGGACCAGAGAATTTCGAATA	7057
CACCAGCCTCNNNNCTAGCGTTAC		CAACTCACTTNNNNCTAGCGTTAC		CACTTAAACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6578	TGCAGGACCAGAGAATTTCGAATA	6818	TGCAGGACCAGAGAATTTCGAATA	7058
CACCTTGTTGNNNNCTAGCGTTAC		CAAAATTTGANNNNCTAGCGTTAC		CATCGCAGCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6579	TGCAGGACCAGAGAATTTCGAATA	6819	TGCAGGACCAGAGAATTTCGAATA	7059
CATATCGGTGNNNNCTAGCGTTAC		CAGTAATATCNNNNCTAGCGTTAC		CAGATTCCGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6580	TGCAGGACCAGAGAATTTCGAATA	6820	TGCAGGACCAGAGAATTTCGAATA	7060
CACCTGGCATANNNNCTAGCGTTAC		CACAGAGAAATNNNNCTAGCGTTAC		CATGGCCGTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6581	TGCAGGACCAGAGAATTTCGAATA	6821	TGCAGGACCAGAGAATTTCGAATA	7061
CATGACGGCCNNNNCTAGCGTTAC		CAATTCCCCANNNNCTAGCGTTAC		CAAAGGCATGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6582	TGCAGGACCAGAGAATTTCGAATA	6822	TGCAGGACCAGAGAATTTCGAATA	7062
CATTGCTCCTNNNNCTAGCGTTAC		CACCTCTTAGCNNNNCTAGCGTTAC		CAATGATCTANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6583	TGCAGGACCAGAGAATTTCGAATA	6823	TGCAGGACCAGAGAATTTCGAATA	7063
CATAACGGAGNNNNCTAGCGTTAC		CATACCAGCANNNNCTAGCGTTAC		CATCGCAATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6584	TGCAGGACCAGAGAATTTCGAATA	6824	TGCAGGACCAGAGAATTTCGAATA	7064
CAGAGTGGATNNNNCTAGCGTTAC		CACACGCCCTCNNNNCTAGCGTTAC		CAATCCGCTTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6585	TGCAGGACCAGAGAATTTCGAATA	6825	TGCAGGACCAGAGAATTTCGAATA	7065
CATCGTAAATNNNNCTAGCGTTAC		CAAAATCGAGNNNNCTAGCGTTAC		CAGAACTGGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6586	TGCAGGACCAGAGAATTTCGAATA	6826	TGCAGGACCAGAGAATTTCGAATA	7066
CACAACGACTNNNNCTAGCGTTAC		CACATACAAATNNNNCTAGCGTTAC		CAGGAACAGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTTCGAATA	6587	TGCAGGACCAGAGAATTTCGAATA	6827	TGCAGGACCAGAGAATTTCGAATA	7067
CAGCACCCCTNNNNCTAGCGTTAC		CATTATGTTTNNNNCTAGCGTTAC		CACTAACAATNNNNCTAGCGTTAC	

FIG. 21D

Pool-28	SEQ ID NO:	Pool-29	SEQ ID NO:	Pool-30	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	6588	TGCAGGACCAGAGAATTCTGAATA	6828	TGCAGGACCAGAGAATTCTGAATA	7068
CAGATAATTCNNNCTAGCGTTAC		CAGTCTGTCTNNNCTAGCGTTAC		CAAAGGAGTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6589	TGCAGGACCAGAGAATTCTGAATA	6829	TGCAGGACCAGAGAATTCTGAATA	7069
CAAACCTCAATNNNCTAGCGTTAC		CAGTCTGAACNNNCTAGCGTTAC		CATCCATGTCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6590	TGCAGGACCAGAGAATTCTGAATA	6830	TGCAGGACCAGAGAATTCTGAATA	7070
CATCAAAACCTNNNCTAGCGTTAC		CAAGGTGCGGNNNCTAGCGTTAC		CAGTACGAGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6591	TGCAGGACCAGAGAATTCTGAATA	6831	TGCAGGACCAGAGAATTCTGAATA	7071
CAATTATTCNNNCTAGCGTTAC		CACAGAAACGNNNCTAGCGTTAC		CAGGCCAGCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6592	TGCAGGACCAGAGAATTCTGAATA	6832	TGCAGGACCAGAGAATTCTGAATA	7072
CACCTTCCTGGNNNCTAGCGTTAC		CATCTGTTCGNNNCTAGCGTTAC		CAGTCCGATANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6593	TGCAGGACCAGAGAATTCTGAATA	6833	TGCAGGACCAGAGAATTCTGAATA	7073
CATAAGTAAGNNNCTAGCGTTAC		CACGATGGTTNNNCTAGCGTTAC		CATGTTACAANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6594	TGCAGGACCAGAGAATTCTGAATA	6834	TGCAGGACCAGAGAATTCTGAATA	7074
CACATAACCTNNNCTAGCGTTAC		CAATAACTATTNNNCTAGCGTTAC		CACATTCACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6595	TGCAGGACCAGAGAATTCTGAATA	6835	TGCAGGACCAGAGAATTCTGAATA	7075
CAATAGCGTCNNNCTAGCGTTAC		CAATCGACGTNNNCTAGCGTTAC		CATGTTGAATNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6596	TGCAGGACCAGAGAATTCTGAATA	6836	TGCAGGACCAGAGAATTCTGAATA	7076
CAAGAGTAACNNNCTAGCGTTAC		CAGAGAAAGCNNNCTAGCGTTAC		CAAGAAACGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6597	TGCAGGACCAGAGAATTCTGAATA	6837	TGCAGGACCAGAGAATTCTGAATA	7077
CATCAGGTAGNNNCTAGCGTTAC		CAATTACACANNNCTAGCGTTAC		CATCCGACCCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6598	TGCAGGACCAGAGAATTCTGAATA	6838	TGCAGGACCAGAGAATTCTGAATA	7078
CAAAACCATATNNNCTAGCGTTAC		CAGGACCTGCGNNNCTAGCGTTAC		CACACTAGTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6599	TGCAGGACCAGAGAATTCTGAATA	6839	TGCAGGACCAGAGAATTCTGAATA	7079
CAGACGAGTANNNCTAGCGTTAC		CAACGTAGAGNNNCTAGCGTTAC		CAACCGGCGTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6600	TGCAGGACCAGAGAATTCTGAATA	6840	TGCAGGACCAGAGAATTCTGAATA	7080
CAATAAATTTNNNCTAGCGTTAC		CACACGGCGTNNNCTAGCGTTAC		CACCTTGCTACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6601	TGCAGGACCAGAGAATTCTGAATA	6841	TGCAGGACCAGAGAATTCTGAATA	7081
CAGAGCTAAGNNNCTAGCGTTAC		CAATTACGTANNNCTAGCGTTAC		CATTGTCAGTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6602	TGCAGGACCAGAGAATTCTGAATA	6842	TGCAGGACCAGAGAATTCTGAATA	7082
CAGCGGATCCNNNCTAGCGTTAC		CATATGTTGANNNCTAGCGTTAC		CAAAATGAAGTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6603	TGCAGGACCAGAGAATTCTGAATA	6843	TGCAGGACCAGAGAATTCTGAATA	7083
CATTTCATAGANNNCTAGCGTTAC		CACAGACTCANNNCTAGCGTTAC		CACCTGCCCCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6604	TGCAGGACCAGAGAATTCTGAATA	6844	TGCAGGACCAGAGAATTCTGAATA	7084
CATTAAGCATNNNCTAGCGTTAC		CACGGATGCCNNNCTAGCGTTAC		CAGTGGACCCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6605	TGCAGGACCAGAGAATTCTGAATA	6845	TGCAGGACCAGAGAATTCTGAATA	7085
CATCGAGCGCNNNCTAGCGTTAC		CATACATCTTNNNCTAGCGTTAC		CAACGACTCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6606	TGCAGGACCAGAGAATTCTGAATA	6846	TGCAGGACCAGAGAATTCTGAATA	7086
CATCGCACCCNNNCTAGCGTTAC		CACCTTCGTGTTNNNCTAGCGTTAC		CAACAACTTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6607	TGCAGGACCAGAGAATTCTGAATA	6847	TGCAGGACCAGAGAATTCTGAATA	7087
CACCTTGACANNNCTAGCGTTAC		CAGAAGCGCGNNNCTAGCGTTAC		CATCTGCTAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6608	TGCAGGACCAGAGAATTCTGAATA	6848	TGCAGGACCAGAGAATTCTGAATA	7088
CATTCCAGTCNNNCTAGCGTTAC		CATCGGATTTGNNNCTAGCGTTAC		CACATATGGCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCTGAATA	6609	TGCAGGACCAGAGAATTCTGAATA	6849	TGCAGGACCAGAGAATTCTGAATA	7089
CAGTTTTTACNNNGATCGACATG		CAAGACAAATNNNGATCGACATG		CAACCCGCGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6610	TGCAGGACCAGAGAATTCTGAATA	6850	TGCAGGACCAGAGAATTCTGAATA	7090
CAAACCTTAGTNNNGATCGACATG		CACGAAGTAGNNNGATCGACATG		CACGCGGTACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6611	TGCAGGACCAGAGAATTCTGAATA	6851	TGCAGGACCAGAGAATTCTGAATA	7091
CACGCGCGCGNNNGATCGACATG		CAAAAGAGCCNNNGATCGACATG		CACACATCAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6612	TGCAGGACCAGAGAATTCTGAATA	6852	TGCAGGACCAGAGAATTCTGAATA	7092
CAAACCTGTTANNNGATCGACATG		CATGAGTGGANNNGATCGACATG		CATAGACACCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6613	TGCAGGACCAGAGAATTCTGAATA	6853	TGCAGGACCAGAGAATTCTGAATA	7093
CAGTAAGTTTTNNNGATCGACATG		CACGCTCCANNNGATCGACATG		CAATGTAAAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6614	TGCAGGACCAGAGAATTCTGAATA	6854	TGCAGGACCAGAGAATTCTGAATA	7094
CACCTTAGCAGNNNGATCGACATG		CAACACTTCCNNNGATCGACATG		CAATCCTCTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6615	TGCAGGACCAGAGAATTCTGAATA	6855	TGCAGGACCAGAGAATTCTGAATA	7095
CAACTTCCGNNNGATCGACATG		CAGCAGTCATNNNGATCGACATG		CAGTCTGTCNNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6616	TGCAGGACCAGAGAATTCTGAATA	6856	TGCAGGACCAGAGAATTCTGAATA	7096
CACCTCCTCTTNNNGATCGACATG		CACCATATGGNNNGATCGACATG		CAACTTGCAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6617	TGCAGGACCAGAGAATTCTGAATA	6857	TGCAGGACCAGAGAATTCTGAATA	7097
CAAGATAATGNNNGATCGACATG		CAATGCGCCGNNNGATCGACATG		CAGAGCGCTCNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6618	TGCAGGACCAGAGAATTCTGAATA	6858	TGCAGGACCAGAGAATTCTGAATA	7098
CACAGCCCTCNNNGATCGACATG		CAGTTGAACNNNGATCGACATG		CATCGCCAGGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6619	TGCAGGACCAGAGAATTCTGAATA	6859	TGCAGGACCAGAGAATTCTGAATA	7099
CACGTAATTANNNGATCGACATG		CAAGGTTGGNNNGATCGACATG		CACGATCGCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6620	TGCAGGACCAGAGAATTCTGAATA	6860	TGCAGGACCAGAGAATTCTGAATA	7100
CAGTTCGTTCCNNNGATCGACATG		CAGCAGCGTGNNGATCGACATG		CAACCCCCACNNNGATCGACATG	

FIG. 21E

Pool-28	SEQ ID NO:	Pool-29	SEQ ID NO:	Pool-30	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	6621	TGCAGGACCAGAGAATTCTGAATA	6861	TGCAGGACCAGAGAATTCTGAATA	7101
CATTCCGTCANNNNGATCGACATG		CAGCTCATAGNNNGATCGACATG		CATCATTTTCANNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6622	TGCAGGACCAGAGAATTCTGAATA	6862	TGCAGGACCAGAGAATTCTGAATA	7102
CAACGACGTTNNNGATCGACATG		CAACAGTCTGNNNGATCGACATG		CATGCCGCTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6623	TGCAGGACCAGAGAATTCTGAATA	6863	TGCAGGACCAGAGAATTCTGAATA	7103
CAAAGTAGCCNNNGATCGACATG		CATTAAAGTGNNGATCGACATG		CACGCAAGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6624	TGCAGGACCAGAGAATTCTGAATA	6864	TGCAGGACCAGAGAATTCTGAATA	7104
CAAGTGAAGCANNNGATCGACATG		CAGATTAATCANNNGATCGACATG		CATAGACCACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6625	TGCAGGACCAGAGAATTCTGAATA	6865	TGCAGGACCAGAGAATTCTGAATA	7105
CATTCTCATANNNGATCGACATG		CAGAGAAAGGNNNGATCGACATG		CAACCGAAGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6626	TGCAGGACCAGAGAATTCTGAATA	6866	TGCAGGACCAGAGAATTCTGAATA	7106
CAAGTAGAGCANNNGATCGACATG		CAACATTCCGNNNGATCGACATG		CATCTTGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6627	TGCAGGACCAGAGAATTCTGAATA	6867	TGCAGGACCAGAGAATTCTGAATA	7107
CATCCGATGNNNGATCGACATG		CATTGCCGCTNNNGATCGACATG		CACAGACTGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6628	TGCAGGACCAGAGAATTCTGAATA	6868	TGCAGGACCAGAGAATTCTGAATA	7108
CACAAGGTCTNNNGATCGACATG		CAGCTCACANNNGATCGACATG		CAGATCTGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6629	TGCAGGACCAGAGAATTCTGAATA	6869	TGCAGGACCAGAGAATTCTGAATA	7109
CAGAGTATGNNNGATCGACATG		CAGGTTAACGNNNGATCGACATG		CATCGAAGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6630	TGCAGGACCAGAGAATTCTGAATA	6870	TGCAGGACCAGAGAATTCTGAATA	7110
CACCGCAGTGNNGATCGACATG		CAGTACGTTGNNGATCGACATG		CACGGAGCAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6631	TGCAGGACCAGAGAATTCTGAATA	6871	TGCAGGACCAGAGAATTCTGAATA	7111
CAGAAGCTCTNNNGATCGACATG		CATGCTCAGANNNGATCGACATG		CACACGGGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6632	TGCAGGACCAGAGAATTCTGAATA	6872	TGCAGGACCAGAGAATTCTGAATA	7112
CAGTGAAGANNNGATCGACATG		CATACCAATNNNGATCGACATG		CAATAACGTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6633	TGCAGGACCAGAGAATTCTGAATA	6873	TGCAGGACCAGAGAATTCTGAATA	7113
CAAACGGTAGNNNGATCGACATG		CACCATGATGNNNGATCGACATG		CATGTCTGGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6634	TGCAGGACCAGAGAATTCTGAATA	6874	TGCAGGACCAGAGAATTCTGAATA	7114
CACTTCGACTNNNGATCGACATG		CATATATGCANNNGATCGACATG		CATATGGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6635	TGCAGGACCAGAGAATTCTGAATA	6875	TGCAGGACCAGAGAATTCTGAATA	7115
CACCGACGACNNNGATCGACATG		CACCGCTTATNNNGATCGACATG		CACAACCTGGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6636	TGCAGGACCAGAGAATTCTGAATA	6876	TGCAGGACCAGAGAATTCTGAATA	7116
CACTACACTCANNNGATCGACATG		CAGGCGTCACNNNGATCGACATG		CACAATCGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6637	TGCAGGACCAGAGAATTCTGAATA	6877	TGCAGGACCAGAGAATTCTGAATA	7117
CAAGCTAAGGNNNGATCGACATG		CAGGCTAAGNNNGATCGACATG		CAGCAAGGCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6638	TGCAGGACCAGAGAATTCTGAATA	6878	TGCAGGACCAGAGAATTCTGAATA	7118
CAGAGTATCCNNNGATCGACATG		CAGAATTTGTNNNGATCGACATG		CAGCCAACGCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6639	TGCAGGACCAGAGAATTCTGAATA	6879	TGCAGGACCAGAGAATTCTGAATA	7119
CATCCTACCANNNNGATCGACATG		CATCTTGACCCNNNGATCGACATG		CATCGTTAAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6640	TGCAGGACCAGAGAATTCTGAATA	6880	TGCAGGACCAGAGAATTCTGAATA	7120
CATTTTCTCANNNGATCGACATG		CAACACCTTAGNNNGATCGACATG		CACTAGCGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6641	TGCAGGACCAGAGAATTCTGAATA	6881	TGCAGGACCAGAGAATTCTGAATA	7121
CACGGATAAGNNNGATCGACATG		CAATCTCACCNNNGATCGACATG		CACTGAGTTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6642	TGCAGGACCAGAGAATTCTGAATA	6882	TGCAGGACCAGAGAATTCTGAATA	7122
CACAAATCGCANNNGATCGACATG		CATTGAGATTNNNGATCGACATG		CATGGCGCGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6643	TGCAGGACCAGAGAATTCTGAATA	6883	TGCAGGACCAGAGAATTCTGAATA	7123
CAGTGTCCGCGNNNGATCGACATG		CATCAACCAGNNNGATCGACATG		CAGTGACTTGNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6644	TGCAGGACCAGAGAATTCTGAATA	6884	TGCAGGACCAGAGAATTCTGAATA	7124
CAAAGCTATTNNNGATCGACATG		CATTTGACCGNNNGATCGACATG		CACTGCCAATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6645	TGCAGGACCAGAGAATTCTGAATA	6885	TGCAGGACCAGAGAATTCTGAATA	7125
CAACCGGACCCNNNGATCGACATG		CAGTTCATTNNNGATCGACATG		CACATGACACNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6646	TGCAGGACCAGAGAATTCTGAATA	6886	TGCAGGACCAGAGAATTCTGAATA	7126
CATTAAATGCNNNGATCGACATG		CAGAGTGGTANNNGATCGACATG		CAGCGATTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6647	TGCAGGACCAGAGAATTCTGAATA	6887	TGCAGGACCAGAGAATTCTGAATA	7127
CACTGCAAGTNNNGATCGACATG		CAAGTTGCTGNNNGATCGACATG		CAACTAGGAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6648	TGCAGGACCAGAGAATTCTGAATA	6888	TGCAGGACCAGAGAATTCTGAATA	7128
CACCCCTTAACNNNGATCGACATG		CAGATTTTAGNNNGATCGACATG		CAGCGCAGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6649	TGCAGGACCAGAGAATTCTGAATA	6889	TGCAGGACCAGAGAATTCTGAATA	7129
CAAGTGAGACNNNGATCGACATG		CACATAACATNNNGATCGACATG		CACACAGCCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6650	TGCAGGACCAGAGAATTCTGAATA	6890	TGCAGGACCAGAGAATTCTGAATA	7130
CATATTAGACNNNGATCGACATG		CAAGCTGATCANNNGATCGACATG		CAGCCTTGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6651	TGCAGGACCAGAGAATTCTGAATA	6891	TGCAGGACCAGAGAATTCTGAATA	7131
CAGTTGGCTANNNGATCGACATG		CACGACGGCTNNNGATCGACATG		CAAATATCGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6652	TGCAGGACCAGAGAATTCTGAATA	6892	TGCAGGACCAGAGAATTCTGAATA	7132
CATCGCTAAGNNNGATCGACATG		CACGGCGTACNNNGATCGACATG		CACCGAAAGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6653	TGCAGGACCAGAGAATTCTGAATA	6893	TGCAGGACCAGAGAATTCTGAATA	7133
CAAGCCCTCANNNGATCGACATG		CATTGCAAGTNNNGATCGACATG		CACAAAGGTGNNNGATCGACATG	

FIG. 21F

Pool-28	SEQ ID NO:	Pool-29	SEQ ID NO:	Pool-30	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATA	6654	TGCAGGACCAGAGAATTCTGAATA	6894	TGCAGGACCAGAGAATTCTGAATA	7134
CATTACGAATNNNGATCGACATG		CATGAGCTGTNNNGATCGACATG		CAAAATCCATNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6655	TGCAGGACCAGAGAATTCTGAATA	6895	TGCAGGACCAGAGAATTCTGAATA	7135
CAGGCCACCAANNNGATCGACATG		CAAGTCTCAGNNNGATCGACATG		CAAACAATCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6656	TGCAGGACCAGAGAATTCTGAATA	6896	TGCAGGACCAGAGAATTCTGAATA	7136
CATCCTTATANNNGATCGACATG		CAATTCCTTANNNGATCGACATG		CACATTGGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6657	TGCAGGACCAGAGAATTCTGAATA	6897	TGCAGGACCAGAGAATTCTGAATA	7137
CATCAGTCTCNNGGATCGACATG		CAGAGAGAGANNNGATCGACATG		CACTACAACGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6658	TGCAGGACCAGAGAATTCTGAATA	6898	TGCAGGACCAGAGAATTCTGAATA	7138
CACGACTTCTNNNGATCGACATG		CAGCAGAGCGNNNGATCGACATG		CAATCGAGGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6659	TGCAGGACCAGAGAATTCTGAATA	6899	TGCAGGACCAGAGAATTCTGAATA	7139
CAAGGTAACGNNNGATCGACATG		CAGGCACATANNNGATCGACATG		CACGCGTCTCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6660	TGCAGGACCAGAGAATTCTGAATA	6900	TGCAGGACCAGAGAATTCTGAATA	7140
CAAGACACTCNNGGATCGACATG		CAGACCTCAANNNGATCGACATG		CATTACGTTTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6661	TGCAGGACCAGAGAATTCTGAATA	6901	TGCAGGACCAGAGAATTCTGAATA	7141
CAGGCTTCGNNNGATCGACATG		CAATAACTCNNGGATCGACATG		CAGTAGTCTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6662	TGCAGGACCAGAGAATTCTGAATA	6902	TGCAGGACCAGAGAATTCTGAATA	7142
CACAATTTCGNNNGATCGACATG		CATCATATTCTNNNGATCGACATG		CATGCTCTCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6663	TGCAGGACCAGAGAATTCTGAATA	6903	TGCAGGACCAGAGAATTCTGAATA	7143
CAGGCTCTCGNNNGATCGACATG		CAGATAGAATNNNGATCGACATG		CAATACATTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6664	TGCAGGACCAGAGAATTCTGAATA	6904	TGCAGGACCAGAGAATTCTGAATA	7144
CATCTCTGACNNNGATCGACATG		CACCTGGACGNNNGATCGACATG		CATATAAAAAANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6665	TGCAGGACCAGAGAATTCTGAATA	6905	TGCAGGACCAGAGAATTCTGAATA	7145
CAGAGTAGGTNNNGATCGACATG		CATAACCCAGNNNGATCGACATG		CATACCTGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6666	TGCAGGACCAGAGAATTCTGAATA	6906	TGCAGGACCAGAGAATTCTGAATA	7146
CAATTTTANNNGATCGACATG		CAGCAGCGCTNNNGATCGACATG		CATGAGAACGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6667	TGCAGGACCAGAGAATTCTGAATA	6907	TGCAGGACCAGAGAATTCTGAATA	7147
CAATTTCTACNNNGATCGACATG		CACAGACCGCANNNGATCGACATG		CAGGAACTGANNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6668	TGCAGGACCAGAGAATTCTGAATA	6908	TGCAGGACCAGAGAATTCTGAATA	7148
CAACCGCTGTNNNGATCGACATG		CATTAAGAAAGNNNGATCGACATG		CAAGAGCGCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCTGAATA	6669	TGCAGGACCAGAGAATTCTGAATA	6909	TGCAGGACCAGAGAATTCTGAATA	7149
CAATCGACTGNNNTGCATCAGGT		CATTCTATAAGNNNTGCATCAGGT		CAACGCCACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6670	TGCAGGACCAGAGAATTCTGAATA	6910	TGCAGGACCAGAGAATTCTGAATA	7150
CATAACGATNNNTGCATCAGGT		CACCACAGGCGNNNTGCATCAGGT		CATCCCTTAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6671	TGCAGGACCAGAGAATTCTGAATA	6911	TGCAGGACCAGAGAATTCTGAATA	7151
CAGCCCAGCANNNTGCATCAGGT		CAGTCAGGCGNNNTGCATCAGGT		CATCGGCATANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6672	TGCAGGACCAGAGAATTCTGAATA	6912	TGCAGGACCAGAGAATTCTGAATA	7152
CAACAAACGNNNTGCATCAGGT		CAGTCGGCACNNNTGCATCAGGT		CACGCTCCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6673	TGCAGGACCAGAGAATTCTGAATA	6913	TGCAGGACCAGAGAATTCTGAATA	7153
CAAGAGTGCANNNTGCATCAGGT		CATAGTCTGGNNNTGCATCAGGT		CAAGGTGGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6674	TGCAGGACCAGAGAATTCTGAATA	6914	TGCAGGACCAGAGAATTCTGAATA	7154
CACGGATCGCANNNTGCATCAGGT		CACATTATCTNNNTGCATCAGGT		CAAAGGTTCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6675	TGCAGGACCAGAGAATTCTGAATA	6915	TGCAGGACCAGAGAATTCTGAATA	7155
CAGGAATCCTNNNTGCATCAGGT		CAGAAGACCANNNTGCATCAGGT		CACGGAAGGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6676	TGCAGGACCAGAGAATTCTGAATA	6916	TGCAGGACCAGAGAATTCTGAATA	7156
CAACCTAAATNNNTGCATCAGGT		CAAATTCCTCTNNNTGCATCAGGT		CAAGGCATTCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6677	TGCAGGACCAGAGAATTCTGAATA	6917	TGCAGGACCAGAGAATTCTGAATA	7157
CACGTATCGANNNTGCATCAGGT		CAGCCATCGGNNNTGCATCAGGT		CACACCAGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6678	TGCAGGACCAGAGAATTCTGAATA	6918	TGCAGGACCAGAGAATTCTGAATA	7158
CATCAGATATNNNTGCATCAGGT		CATATAATTANNNTGCATCAGGT		CATATGCGTGNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6679	TGCAGGACCAGAGAATTCTGAATA	6919	TGCAGGACCAGAGAATTCTGAATA	7159
CAGCGACCGTNNNTGCATCAGGT		CAACGAACAGNNNTGCATCAGGT		CAGCATAGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6680	TGCAGGACCAGAGAATTCTGAATA	6920	TGCAGGACCAGAGAATTCTGAATA	7160
CATCAGACTGNNNTGCATCAGGT		CAAGGCCGCTNNNTGCATCAGGT		CATCACTAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6681	TGCAGGACCAGAGAATTCTGAATA	6921	TGCAGGACCAGAGAATTCTGAATA	7161
CAATGCACGTNNNTGCATCAGGT		CACAAAGAGCANNNTGCATCAGGT		CAGCCGAGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6682	TGCAGGACCAGAGAATTCTGAATA	6922	TGCAGGACCAGAGAATTCTGAATA	7162
CATCTACTGCGNNNTGCATCAGGT		CATTTCAGGACNNNTGCATCAGGT		CAACTGCCAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6683	TGCAGGACCAGAGAATTCTGAATA	6923	TGCAGGACCAGAGAATTCTGAATA	7163
CACTCGTTGTNNNTGCATCAGGT		CAAGCACGCCNNNTGCATCAGGT		CACCGACAATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6684	TGCAGGACCAGAGAATTCTGAATA	6924	TGCAGGACCAGAGAATTCTGAATA	7164
CACTGTGTAGNNNTGCATCAGGT		CAGACACATCANNNTGCATCAGGT		CACAGCCCCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6685	TGCAGGACCAGAGAATTCTGAATA	6925	TGCAGGACCAGAGAATTCTGAATA	7165
CAGCTTGCTNNNTGCATCAGGT		CACGATACACNNNTGCATCAGGT		CACAACCCCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATA	6686	TGCAGGACCAGAGAATTCTGAATA	6926	TGCAGGACCAGAGAATTCTGAATA	7166
CACTTTCTCTNNNTGCATCAGGT		CAATACGCGTNNNTGCATCAGGT		CAAAGACGACNNNTGCATCAGGT	

FIG. 21G

Poal-28	SEQ ID NO:	Poal-29	SEQ ID NO:	Poal-30	SEQ ID NO:
TGCAGGACCAGAGAATTGGAATA	6687	TGCAGGACCAGAGAATTGGAATA	6927	TGCAGGACCAGAGAATTGGAATA	7167
CATCAACTCCNNNTGCATCAGGT		CATACACGCCANNNTGCATCAGGT		CATACAAGAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6688	TGCAGGACCAGAGAATTGGAATA	6928	TGCAGGACCAGAGAATTGGAATA	7168
CAATCCAGCCANNNTGCATCAGGT		CACTCTCTCTNNNTGCATCAGGT		CAATAGGCCCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6689	TGCAGGACCAGAGAATTGGAATA	6929	TGCAGGACCAGAGAATTGGAATA	7169
CAAACCGCTNNNTGCATCAGGT		CACAATGAGGNNTGCATCAGGT		CATTGGATATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6690	TGCAGGACCAGAGAATTGGAATA	6930	TGCAGGACCAGAGAATTGGAATA	7170
CACGCCCTGTNNNTGCATCAGGT		CACACAGTGTNNNTGCATCAGGT		CACTATCGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6691	TGCAGGACCAGAGAATTGGAATA	6931	TGCAGGACCAGAGAATTGGAATA	7171
CATAAGGCTNNNTGCATCAGGT		CAACATACTNNNTGCATCAGGT		CACTCTTGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6692	TGCAGGACCAGAGAATTGGAATA	6932	TGCAGGACCAGAGAATTGGAATA	7172
CATGTTCATGNNNTGCATCAGGT		CACGGCATCGNNNTGCATCAGGT		CAAATTAGGANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6693	TGCAGGACCAGAGAATTGGAATA	6933	TGCAGGACCAGAGAATTGGAATA	7173
CATAGCAGTCNNNTGCATCAGGT		CAAGTAGATANNNTGCATCAGGT		CACGTTGCTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6694	TGCAGGACCAGAGAATTGGAATA	6934	TGCAGGACCAGAGAATTGGAATA	7174
CAGCGCTGACNNNTGCATCAGGT		CAGCGATCCGNNNTGCATCAGGT		CATTTCCCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6695	TGCAGGACCAGAGAATTGGAATA	6935	TGCAGGACCAGAGAATTGGAATA	7175
CATATATCCTNNNTGCATCAGGT		CAATTAAGTTNNNTGCATCAGGT		CAACTACTCCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6696	TGCAGGACCAGAGAATTGGAATA	6936	TGCAGGACCAGAGAATTGGAATA	7176
CACACGAAAGNNNTGCATCAGGT		CAAGATTTCATNNNTGCATCAGGT		CAACTCTGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6697	TGCAGGACCAGAGAATTGGAATA	6937	TGCAGGACCAGAGAATTGGAATA	7177
CAATAAGTCTNNNTGCATCAGGT		CATCACCTGTNNNTGCATCAGGT		CACTAGCTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6698	TGCAGGACCAGAGAATTGGAATA	6938	TGCAGGACCAGAGAATTGGAATA	7178
CAGCTGTCCNNNTGCATCAGGT		CACAAATACTNNNTGCATCAGGT		CAACTGCTAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6699	TGCAGGACCAGAGAATTGGAATA	6939	TGCAGGACCAGAGAATTGGAATA	7179
CAATGACCTGNNNTGCATCAGGT		CATTTAGCAANNNTGCATCAGGT		CACGCGCATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6700	TGCAGGACCAGAGAATTGGAATA	6940	TGCAGGACCAGAGAATTGGAATA	7180
CAATACCCCTNNNTGCATCAGGT		CATCCTAGTCTNNNTGCATCAGGT		CAGGCTTTCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6701	TGCAGGACCAGAGAATTGGAATA	6941	TGCAGGACCAGAGAATTGGAATA	7181
CATGAGGTAGNNNTGCATCAGGT		CATAAAGAGTNNNTGCATCAGGT		CACTGGACTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6702	TGCAGGACCAGAGAATTGGAATA	6942	TGCAGGACCAGAGAATTGGAATA	7182
CACGAATCTGNNNTGCATCAGGT		CACATGCACANNNTGCATCAGGT		CAACATCAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6703	TGCAGGACCAGAGAATTGGAATA	6943	TGCAGGACCAGAGAATTGGAATA	7183
CAGCCGACGTNNNTGCATCAGGT		CATTTCAACTNNNTGCATCAGGT		CATCAGTTCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6704	TGCAGGACCAGAGAATTGGAATA	6944	TGCAGGACCAGAGAATTGGAATA	7184
CATTCAAACANNNTGCATCAGGT		CACTGATGTGNNNTGCATCAGGT		CATCAGGATGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6705	TGCAGGACCAGAGAATTGGAATA	6945	TGCAGGACCAGAGAATTGGAATA	7185
CAAGGCTTACNNNTGCATCAGGT		CACCCGTTCGNNNTGCATCAGGT		CAGTATGCACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6706	TGCAGGACCAGAGAATTGGAATA	6946	TGCAGGACCAGAGAATTGGAATA	7186
CAAAAACCGCANNNTGCATCAGGT		CACATAAGAANNNTGCATCAGGT		CATCAGGCGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6707	TGCAGGACCAGAGAATTGGAATA	6947	TGCAGGACCAGAGAATTGGAATA	7187
CAGATAGGACNNNTGCATCAGGT		CAGATTACGNNNTGCATCAGGT		CAGTTTTCCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6708	TGCAGGACCAGAGAATTGGAATA	6948	TGCAGGACCAGAGAATTGGAATA	7188
CAATGGCGAANNNTGCATCAGGT		CACTGACGATNNNTGCATCAGGT		CAGGTCCGAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6709	TGCAGGACCAGAGAATTGGAATA	6949	TGCAGGACCAGAGAATTGGAATA	7189
CAACCAAGAGNNNTGCATCAGGT		CAACTTTCTANNNTGCATCAGGT		CAATAAGGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6710	TGCAGGACCAGAGAATTGGAATA	6950	TGCAGGACCAGAGAATTGGAATA	7190
CACAAACGCTNNNTGCATCAGGT		CACACATAGCANNNTGCATCAGGT		CAAGCCGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6711	TGCAGGACCAGAGAATTGGAATA	6951	TGCAGGACCAGAGAATTGGAATA	7191
CACGCTTTCCANNNTGCATCAGGT		CATTAGTCAANNNTGCATCAGGT		CACATGTCCAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6712	TGCAGGACCAGAGAATTGGAATA	6952	TGCAGGACCAGAGAATTGGAATA	7192
CATCCAGGCGNNNTGCATCAGGT		CATGGTCGCGNNNTGCATCAGGT		CATTTTAGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6713	TGCAGGACCAGAGAATTGGAATA	6953	TGCAGGACCAGAGAATTGGAATA	7193
CATTGAAATCANNNTGCATCAGGT		CATTCTGACNNNTGCATCAGGT		CATCGAGTTGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6714	TGCAGGACCAGAGAATTGGAATA	6954	TGCAGGACCAGAGAATTGGAATA	7194
CACCTGCTGCGNNNTGCATCAGGT		CATAAAACCTNNNTGCATCAGGT		CAGCCACCTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6715	TGCAGGACCAGAGAATTGGAATA	6955	TGCAGGACCAGAGAATTGGAATA	7195
CACGAATGAGNNNTGCATCAGGT		CAACTATAACNNNTGCATCAGGT		CATGTTGTGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6716	TGCAGGACCAGAGAATTGGAATA	6956	TGCAGGACCAGAGAATTGGAATA	7196
CATGTGTTAANNNTGCATCAGGT		CATATGATGTNNNTGCATCAGGT		CAGTTGTGTGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6717	TGCAGGACCAGAGAATTGGAATA	6957	TGCAGGACCAGAGAATTGGAATA	7197
CATTCAAACNNNTGCATCAGGT		CATCACCGCCNNNTGCATCAGGT		CACGTCAACTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6718	TGCAGGACCAGAGAATTGGAATA	6958	TGCAGGACCAGAGAATTGGAATA	7198
CACAGCCAGNNNTGCATCAGGT		CAAGGTTATTNNNTGCATCAGGT		CAAAGGCTCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTGGAATA	6719	TGCAGGACCAGAGAATTGGAATA	6959	TGCAGGACCAGAGAATTGGAATA	7199
CAGACAGTAGNNNTGCATCAGGT		CAAGCAGCTNNNTGCATCAGGT		CATATTCTGNNNTGCATCAGGT	

FIG. 21H

Pool-28	SEQ ID NO:	Pool-29	SEQ ID NO:	Pool-30	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATA CACATTGTNNNTGCATCAGGT	6720	TGCAGGACCAGAGAATTCGAATA CATCGAGACTNNNTGCATCAGGT	6960	TGCAGGACCAGAGAATTCGAATA CACATTACTNNNTGCATCAGGT	7200
TGCAGGACCAGAGAATTCGAATA CATAATCCAANNNTGCATCAGGT	6721	TGCAGGACCAGAGAATTCGAATA CACACACTTCNNNTGCATCAGGT	6961	TGCAGGACCAGAGAATTCGAATA CACCAGACTNNNTGCATCAGGT	7201
TGCAGGACCAGAGAATTCGAATA CACGTACAACNNNTGCATCAGGT	6722	TGCAGGACCAGAGAATTCGAATA CAAAAAACNNNTGCATCAGGT	6962	TGCAGGACCAGAGAATTCGAATA CAAGTCCAGNNNTGCATCAGGT	7202
TGCAGGACCAGAGAATTCGAATA CAATATTCGANNNTGCATCAGGT	6723	TGCAGGACCAGAGAATTCGAATA CATACAGCCANNNTGCATCAGGT	6963	TGCAGGACCAGAGAATTCGAATA CAAACCAGTCNNNTGCATCAGGT	7203
TGCAGGACCAGAGAATTCGAATA CATAATTATANNNTGCATCAGGT	6724	TGCAGGACCAGAGAATTCGAATA CAATGAAAACNNNTGCATCAGGT	6964	TGCAGGACCAGAGAATTCGAATA CATGGCTCAANNNTGCATCAGGT	7204
TGCAGGACCAGAGAATTCGAATA CAGATGCAGANNNTGCATCAGGT	6725	TGCAGGACCAGAGAATTCGAATA CAGTGATGCTNNNTGCATCAGGT	6965	TGCAGGACCAGAGAATTCGAATA CATCTTTATGNNNTGCATCAGGT	7205
TGCAGGACCAGAGAATTCGAATA CAGGAGCCAGNNNTGCATCAGGT	6726	TGCAGGACCAGAGAATTCGAATA CATTACAGTNNNTGCATCAGGT	6966	TGCAGGACCAGAGAATTCGAATA CAGGTGACTTNNNTGCATCAGGT	7206
TGCAGGACCAGAGAATTCGAATA CAGCGAGTTTNNNTGCATCAGGT	6727	TGCAGGACCAGAGAATTCGAATA CACAAACGCGNNNTGCATCAGGT	6967	TGCAGGACCAGAGAATTCGAATA CATCCTAACCNNNTGCATCAGGT	7207
TGCAGGACCAGAGAATTCGAATA CAAAGTGACGNNNTGCATCAGGT	6728	TGCAGGACCAGAGAATTCGAATA CATGTGCCCCNNNTGCATCAGGT	6968	TGCAGGACCAGAGAATTCGAATA CAGCGTAAAGNNNTGCATCAGGT	7208

FIG. 22A

Pos1-31	SEQ ID NO:	Pos1-32	SEQ ID NO:
TGCAGGACCAGAGAATT CGAATAC	7209	TGCAGGACCAGAGAATT CGAATA	7449
ATGGTCCAANNACGTATGCCA		CATTCCAATTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7210	TGCAGGACCAGAGAATT CGAATA	7450
AGTACTCAGNNNACGTATGCCA		CATGTACAGCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7211	TGCAGGACCAGAGAATT CGAATA	7451
AGAAGCCCCNNNACGTATGCCA		CACAGGAGCGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7212	TGCAGGACCAGAGAATT CGAATA	7452
ATTAAACCGNNNACGTATGCCA		CAATGCGTTGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7213	TGCAGGACCAGAGAATT CGAATA	7453
ATAACCTGNNNACGTATGCCA		CATATTTTCGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7214	TGCAGGACCAGAGAATT CGAATA	7454
AGTCGACTANNNACGTATGCCA		CAAATTTCCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7215	TGCAGGACCAGAGAATT CGAATA	7455
ACCAAACGTNNNACGTATGCCA		CATCTGACGANNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7216	TGCAGGACCAGAGAATT CGAATA	7456
AACGTATCGNNNACGTATGCCA		CACCGCGCTTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7217	TGCAGGACCAGAGAATT CGAATA	7457
ACACGGCCANNNACGTATGCCA		CAAAACACCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7218	TGCAGGACCAGAGAATT CGAATA	7458
AAGGTTTGCNNNACGTATGCCA		CAGGTTGTGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7219	TGCAGGACCAGAGAATT CGAATA	7459
ACGACGCGTNNNACGTATGCCA		CAACTAACCGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7220	TGCAGGACCAGAGAATT CGAATA	7460
ACCGACGTGNNNACGTATGCCA		CATCAGGAGANNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7221	TGCAGGACCAGAGAATT CGAATA	7461
ACAGTTTTTNNNACGTATGCCA		CAGTCTGCGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7222	TGCAGGACCAGAGAATT CGAATA	7462
ATGCCCGGANNNACGTATGCCA		CAACTGGCGCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7223	TGCAGGACCAGAGAATT CGAATA	7463
AGCCACTCCNNNACGTATGCCA		CACGACTCTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7224	TGCAGGACCAGAGAATT CGAATA	7464
AGACGAAGTNNNACGTATGCCA		CAGCGAAGGCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7225	TGCAGGACCAGAGAATT CGAATA	7465
AGGTTCCCTNNNACGTATGCCA		CAGGCGCCCGCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7226	TGCAGGACCAGAGAATT CGAATA	7466
ACCGGAATTNNNACGTATGCCA		CAGAGCACCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7227	TGCAGGACCAGAGAATT CGAATA	7467
ATCGGCAGCNNNACGTATGCCA		CACCCAAAGTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7228	TGCAGGACCAGAGAATT CGAATA	7468
AGCTAGAGANNNACGTATGCCA		CACGGAATAGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7229	TGCAGGACCAGAGAATT CGAATA	7469
ACCACTTACNNNACGTATGCCA		CAAGTAAGATNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7230	TGCAGGACCAGAGAATT CGAATA	7470
AACCACCGNNNACGTATGCCA		CATCTCACACNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7231	TGCAGGACCAGAGAATT CGAATA	7471
AGAAACATANNNACGTATGCCA		CAGGCCCAANNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7232	TGCAGGACCAGAGAATT CGAATA	7472
AGCTGAAAGNNNACGTATGCCA		CAGGATTTGCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7233	TGCAGGACCAGAGAATT CGAATA	7473
ATAAGAAGTNNNACGTATGCCA		CAAATGACANNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7234	TGCAGGACCAGAGAATT CGAATA	7474
ACGTGACTANNNACGTATGCCA		CATAAAAAATNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7235	TGCAGGACCAGAGAATT CGAATA	7475
ATTAAAGATCNNNACGTATGCCA		CATAATGGCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7236	TGCAGGACCAGAGAATT CGAATA	7476
ATGGATCACNNNACGTATGCCA		CAGTTGCTTCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7237	TGCAGGACCAGAGAATT CGAATA	7477
ACCGAGCTGNNNACGTATGCCA		CACGTTTCACNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7238	TGCAGGACCAGAGAATT CGAATA	7478
ACTCATAAANNNACGTATGCCA		CAGAACAAATNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7239	TGCAGGACCAGAGAATT CGAATA	7479
ACTCTACTGNNNACGTATGCCA		CAATAGAAGTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7240	TGCAGGACCAGAGAATT CGAATA	7480
AAGGTGAGTNNNACGTATGCCA		CAGTAAGGCANNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7241	TGCAGGACCAGAGAATT CGAATA	7481
AGAACACTCNNNACGTATGCCA		CAGAGATGCANNNACGTATGCCA	

FIG. 22B

Pos1-31	SEQ ID NO:	Pos1-32	SEQ ID NO:
TGCAGGACCAGAGAATT CGAATAC	7242	TGCAGGACCAGAGAATT CGAATA	7482
AGGCAGAGCNNNACGTATGCCA		CACACCATCTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7243	TGCAGGACCAGAGAATT CGAATA	7483
ATTTCCAGCNNNACGTATGCCA		CAGATACACNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7244	TGCAGGACCAGAGAATT CGAATA	7484
ACCCATCATNNNACGTATGCCA		CAGATACTGCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7245	TGCAGGACCAGAGAATT CGAATA	7485
AATCAGCGTNNNACGTATGCCA		CACGTAAC TGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7246	TGCAGGACCAGAGAATT CGAATA	7486
ATGAAAACNNNACGTATGCCA		CATCCTCTTCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7247	TGCAGGACCAGAGAATT CGAATA	7487
AATGCGGAANNNACGTATGCCA		CATGCGGT CGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7248	TGCAGGACCAGAGAATT CGAATA	7488
ACGGATT CANNNACGTATGCCA		CAACAGGAACNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7249	TGCAGGACCAGAGAATT CGAATA	7489
AGTCATACGNNNACGTATGCCA		CAAAAATTTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7250	TGCAGGACCAGAGAATT CGAATA	7490
AACCTGCTTNNNACGTATGCCA		CAAAGTCACNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7251	TGCAGGACCAGAGAATT CGAATA	7491
AGTTGTGCANNNACGTATGCCA		CATCTACGAGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7252	TGCAGGACCAGAGAATT CGAATA	7492
AGAAATCGGNNNACGTATGCCA		CAGATCTTCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7253	TGCAGGACCAGAGAATT CGAATA	7493
AAAGTTAGANNNACGTATGCCA		CAGGACACCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7254	TGCAGGACCAGAGAATT CGAATA	7494
ATGTAACGCGNNNACGTATGCCA		CAATAGGTGGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7255	TGCAGGACCAGAGAATT CGAATA	7495
AGTTTTGAANNNACGTATGCCA		CACCATCGCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7256	TGCAGGACCAGAGAATT CGAATA	7496
ACAAACTGCNNNACGTATGCCA		CATGATCTCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7257	TGCAGGACCAGAGAATT CGAATA	7497
AGCCTGAGCNNNACGTATGCCA		CACGCGAATTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7258	TGCAGGACCAGAGAATT CGAATA	7498
ATCTTCCAGNNNACGTATGCCA		CATATATAATNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7259	TGCAGGACCAGAGAATT CGAATA	7499
ATACCTTACNNNACGTATGCCA		CATATCGCCTNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7260	TGCAGGACCAGAGAATT CGAATA	7500
ATCATAGATNNNACGTATGCCA		CATTACGAGCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7261	TGCAGGACCAGAGAATT CGAATA	7501
AGTATAGAANNNACGTATGCCA		CAGGTTTCTCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7262	TGCAGGACCAGAGAATT CGAATA	7502
ACCCTAAAGNNNACGTATGCCA		CAC TTGCAGANNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7263	TGCAGGACCAGAGAATT CGAATA	7503
AGCGGTTTANNNACGTATGCCA		CAGACATTTANNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7264	TGCAGGACCAGAGAATT CGAATA	7504
ATAGCTCAGNNNACGTATGCCA		CAACACGAGANNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7265	TGCAGGACCAGAGAATT CGAATA	7505
ACCGTCCCANNNACGTATGCCA		CATTGCCCGCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7266	TGCAGGACCAGAGAATT CGAATA	7506
AAGTGCGAANNNACGTATGCCA		CACAGTCC TNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7267	TGCAGGACCAGAGAATT CGAATA	7507
ATGAGCTTGNNNACGTATGCCA		CAGCATTTGGNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7268	TGCAGGACCAGAGAATT CGAATA	7508
ATATCGTGGNNNACGTATGCCA		CAGGATATCCNNNACGTATGCCA	
TGCAGGACCAGAGAATT CGAATAC	7269	TGCAGGACCAGAGAATT CGAATA	7509
ATCAGACACNNNCTAGCGTTAC		CACCAGGAGGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATT CGAATAC	7270	TGCAGGACCAGAGAATT CGAATA	7510
ATACCTTGNNNCTAGCGTTAC		CATCGCCTTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATT CGAATAC	7271	TGCAGGACCAGAGAATT CGAATA	7511
ACATCGAGTNNNCTAGCGTTAC		CATTACCCGTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATT CGAATAC	7272	TGCAGGACCAGAGAATT CGAATA	7512
ATGAATCTANNNCTAGCGTTAC		CAATCACCTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATT CGAATAC	7273	TGCAGGACCAGAGAATT CGAATA	7513
AAGTGGAGTNNNCTAGCGTTAC		CACCAATTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATT CGAATAC	7274	TGCAGGACCAGAGAATT CGAATA	7514
ACTGAAGGANNNCTAGCGTTAC		CATGCGTGATNNNCTAGCGTTAC	

FIG. 22C

Pos1-31	SEQ ID NO:	Pos1-32	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATAC	7275	TGCAGGACCAGAGAATTCGAATA	7515
AAATCAGTTNNNCTAGCGTTAC		CACCTCGGCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7276	TGCAGGACCAGAGAATTCGAATA	7516
ACGCAGGCTNNNCTAGCGTTAC		CAAGGAATTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7277	TGCAGGACCAGAGAATTCGAATA	7517
ACGGTGCACNNNCTAGCGTTAC		CACCCTACATNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7278	TGCAGGACCAGAGAATTCGAATA	7518
ACGTATCAGNNNCTAGCGTTAC		CACGGTTTAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7279	TGCAGGACCAGAGAATTCGAATA	7519
ATAACGCTGNNNCTAGCGTTAC		CATCGTATAANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7280	TGCAGGACCAGAGAATTCGAATA	7520
AACCGTACANNNCTAGCGTTAC		CATAAGCAAANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7281	TGCAGGACCAGAGAATTCGAATA	7521
AGCTTAGTGNNNCTAGCGTTAC		CACGGTCTGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7282	TGCAGGACCAGAGAATTCGAATA	7522
ACGAACGCCNNNCTAGCGTTAC		CACCACAGTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7283	TGCAGGACCAGAGAATTCGAATA	7523
AGTATCGTGNNNCTAGCGTTAC		CAACCACTAGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7284	TGCAGGACCAGAGAATTCGAATA	7524
ATACAAATCNNNCTAGCGTTAC		CACGCAAACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7285	TGCAGGACCAGAGAATTCGAATA	7525
ACGTCTTANNNCTAGCGTTAC		CACCTCAACNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7286	TGCAGGACCAGAGAATTCGAATA	7526
AAGACCACTNNNCTAGCGTTAC		CAGAGAGGCCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7287	TGCAGGACCAGAGAATTCGAATA	7527
AACAAGGTGNNNCTAGCGTTAC		CAATATTGTTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7288	TGCAGGACCAGAGAATTCGAATA	7528
AATACTTGANNNCTAGCGTTAC		CACATATGANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7289	TGCAGGACCAGAGAATTCGAATA	7529
ACTTCGATNNNCTAGCGTTAC		CAATCTTGTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7290	TGCAGGACCAGAGAATTCGAATA	7530
ACGTCTTGTNNNCTAGCGTTAC		CATAAAGGCGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7291	TGCAGGACCAGAGAATTCGAATA	7531
AAAGTGGTGNNNCTAGCGTTAC		CACCATTTGCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7292	TGCAGGACCAGAGAATTCGAATA	7532
ATCGGTGGCNNNCTAGCGTTAC		CATACCCCTANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7293	TGCAGGACCAGAGAATTCGAATA	7533
AAAAATCAGNNNCTAGCGTTAC		CAAGAACCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7294	TGCAGGACCAGAGAATTCGAATA	7534
ATCCCGCGTNNNCTAGCGTTAC		CAACGATAGGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7295	TGCAGGACCAGAGAATTCGAATA	7535
AGGCACGCTNNNCTAGCGTTAC		CAGGCGCCATNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7296	TGCAGGACCAGAGAATTCGAATA	7536
AGCTGTCTTNNNCTAGCGTTAC		CAAAAATCTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7297	TGCAGGACCAGAGAATTCGAATA	7537
AAGCATAAANNNCTAGCGTTAC		CAGACTAGCTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7298	TGCAGGACCAGAGAATTCGAATA	7538
ATGCGAATCANNNCTAGCGTTAC		CACGTGAGTTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7299	TGCAGGACCAGAGAATTCGAATA	7539
ACGTTTCGTTNNNCTAGCGTTAC		CACCCGCTGTNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7300	TGCAGGACCAGAGAATTCGAATA	7540
AGCACTCTTNNNCTAGCGTTAC		CAAAAACCTCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7301	TGCAGGACCAGAGAATTCGAATA	7541
ACTCGTGCNNNCTAGCGTTAC		CAAGTAACGNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7302	TGCAGGACCAGAGAATTCGAATA	7542
ACATACAGCANNNCTAGCGTTAC		CAATCAACATNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7303	TGCAGGACCAGAGAATTCGAATA	7543
AGAGCAAACNNNCTAGCGTTAC		CACCTTTGATNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7304	TGCAGGACCAGAGAATTCGAATA	7544
AGCTTCCATNNNCTAGCGTTAC		CAGTGTACCANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7305	TGCAGGACCAGAGAATTCGAATA	7545
ACCTAATTTNNNCTAGCGTTAC		CATGCACACANNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7306	TGCAGGACCAGAGAATTCGAATA	7546
AAGCCCGACNNNCTAGCGTTAC		CATATACTTCNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7307	TGCAGGACCAGAGAATTCGAATA	7547
ATGGTGAAGNNNCTAGCGTTAC		CAGAACTAANNNCTAGCGTTAC	

FIG. 22D

Pos1-31	SEQ ID NO:	Pos1-32	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATAC	7308	TGCAGGACCAGAGAATTCGAATA	7548
AATCGCTGANNNNCTAGCGTTAC		CAATCTCGAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7309	TGCAGGACCAGAGAATTCGAATA	7549
ATTACTGCCNNNNCTAGCGTTAC		CAATGTCTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7310	TGCAGGACCAGAGAATTCGAATA	7550
AGGAGGCCANNNNCTAGCGTTAC		CAAGACATGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7311	TGCAGGACCAGAGAATTCGAATA	7551
ATACCTGTCCNNNNCTAGCGTTAC		CACGGCAATTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7312	TGCAGGACCAGAGAATTCGAATA	7552
AATAATGCTANNNNCTAGCGTTAC		CATAATGTTGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7313	TGCAGGACCAGAGAATTCGAATA	7553
AGATCACCANNNNCTAGCGTTAC		CAGCGAGGACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7314	TGCAGGACCAGAGAATTCGAATA	7554
AGCGGAACGNNNNCTAGCGTTAC		CACGAACATCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7315	TGCAGGACCAGAGAATTCGAATA	7555
AAATCCTTTNNNNCTAGCGTTAC		CAGCATGTACNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7316	TGCAGGACCAGAGAATTCGAATA	7556
ATACTATAGNNNNCTAGCGTTAC		CAGCAACTGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7317	TGCAGGACCAGAGAATTCGAATA	7557
AGTCTGTAGNNNNCTAGCGTTAC		CAGTACTCTCNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7318	TGCAGGACCAGAGAATTCGAATA	7558
AGACTATCGNNNNCTAGCGTTAC		CAGGCTAAGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7319	TGCAGGACCAGAGAATTCGAATA	7559
AAGGATTAAANNNNCTAGCGTTAC		CACCCCTTTGANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7320	TGCAGGACCAGAGAATTCGAATA	7560
ATTACATCTNNNNCTAGCGTTAC		CACGCGAGGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7321	TGCAGGACCAGAGAATTCGAATA	7561
ATTTGGCAGNNNNCTAGCGTTAC		CAGTAAGAATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7322	TGCAGGACCAGAGAATTCGAATA	7562
ACAGTATGCGNNNNCTAGCGTTAC		CATGATTACANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7323	TGCAGGACCAGAGAATTCGAATA	7563
ATTCGATCCNNNNCTAGCGTTAC		CACAAAAATGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7324	TGCAGGACCAGAGAATTCGAATA	7564
AAATCCCGCTNNNNCTAGCGTTAC		CACCGTGGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7325	TGCAGGACCAGAGAATTCGAATA	7565
ACTCTCCCCNNNNCTAGCGTTAC		CAAACGTTATNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7326	TGCAGGACCAGAGAATTCGAATA	7566
ACAATTAAACNNNNCTAGCGTTAC		CAGCTTGCAANNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7327	TGCAGGACCAGAGAATTCGAATA	7567
AAATTTGCTNNNNCTAGCGTTAC		CATTAGTCCGNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7328	TGCAGGACCAGAGAATTCGAATA	7568
AATAAATCCNNNNCTAGCGTTAC		CAACGGCCGTNNNNCTAGCGTTAC	
TGCAGGACCAGAGAATTCGAATAC	7329	TGCAGGACCAGAGAATTCGAATA	7569
ATACTCGTCNNNGATCGACATG		CAGCGTGAAANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7330	TGCAGGACCAGAGAATTCGAATA	7570
AATGCCAAGNNNGATCGACATG		CATGCCTGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7331	TGCAGGACCAGAGAATTCGAATA	7571
ATGCCGAGCNNNGATCGACATG		CATCGACGCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7332	TGCAGGACCAGAGAATTCGAATA	7572
ATGGTAAAAANNNGATCGACATG		CATCATCTCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7333	TGCAGGACCAGAGAATTCGAATA	7573
ACACTCCATTNNNGATCGACATG		CAGTCAGTCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7334	TGCAGGACCAGAGAATTCGAATA	7574
ACCTATGGANNNGATCGACATG		CACCGGTGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7335	TGCAGGACCAGAGAATTCGAATA	7575
AATGCTCCTNNNGATCGACATG		CATATCGCGANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7336	TGCAGGACCAGAGAATTCGAATA	7576
AGATTGAAANNNGATCGACATG		CAGACGCGTCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7337	TGCAGGACCAGAGAATTCGAATA	7577
AACACCCAANNNGATCGACATG		CAGAACAGACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7338	TGCAGGACCAGAGAATTCGAATA	7578
ACCGGCATGNNNGATCGACATG		CAGTGTGTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7339	TGCAGGACCAGAGAATTCGAATA	7579
ATCCGATTCNNNGATCGACATG		CAGATTGCCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7340	TGCAGGACCAGAGAATTCGAATA	7580
AGAATCCTGNNNGATCGACATG		CAGTAGATTNNNGATCGACATG	

FIG. 22E

Pool-31	SEQ ID NO:	Pool-32	SEQ ID NO:
TGCAGGACCAGAGAATTCGAATAC	7341	TGCAGGACCAGAGAATTCGAATA	7581
ATTTCGTCGNNNGATCGACATG		CAGCTTGAGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7342	TGCAGGACCAGAGAATTCGAATA	7582
ACTTCACTGNNNGATCGACATG		CACGCAACGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7343	TGCAGGACCAGAGAATTCGAATA	7583
ACCCTATTGNNNGATCGACATG		CACCTAATGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7344	TGCAGGACCAGAGAATTCGAATA	7584
AAGTAGTAANNNGATCGACATG		CAGACAGGATNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7345	TGCAGGACCAGAGAATTCGAATA	7585
ACACCGTAANNNGATCGACATG		CACCTCCCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7346	TGCAGGACCAGAGAATTCGAATA	7586
ATGTTTCCGNNNGATCGACATG		CATAAGAGATNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7347	TGCAGGACCAGAGAATTCGAATA	7587
AGCTGGACNNNGATCGACATG		CAACCGAATCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7348	TGCAGGACCAGAGAATTCGAATA	7588
AGTAATTGTNNNGATCGACATG		CAGCCAACATNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7349	TGCAGGACCAGAGAATTCGAATA	7589
AAGCTTATANNNGATCGACATG		CATGGCTAACNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7350	TGCAGGACCAGAGAATTCGAATA	7590
AGCTACCAANNNGATCGACATG		CATCGTTCTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7351	TGCAGGACCAGAGAATTCGAATA	7591
AGATAATGANNNGATCGACATG		CACAGTTGCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7352	TGCAGGACCAGAGAATTCGAATA	7592
AAAATCATCNNNGATCGACATG		CAACTAGCTGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7353	TGCAGGACCAGAGAATTCGAATA	7593
AAATAGCCNNNGATCGACATG		CAAACTAAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7354	TGCAGGACCAGAGAATTCGAATA	7594
ATGCTGCTTNNNGATCGACATG		CAGTTTCGAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7355	TGCAGGACCAGAGAATTCGAATA	7595
ATTACGCAGNNNGATCGACATG		CACCTCATAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7356	TGCAGGACCAGAGAATTCGAATA	7596
ACCCAGCCTNNNGATCGACATG		CAGCAGTATCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7357	TGCAGGACCAGAGAATTCGAATA	7597
ACCATTTATNNNGATCGACATG		CATATAGTCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7358	TGCAGGACCAGAGAATTCGAATA	7598
AGTGCAATCNNNGATCGACATG		CAGGTGTAAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7359	TGCAGGACCAGAGAATTCGAATA	7599
ACATCAGGTNNNGATCGACATG		CAAGTGAATNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7360	TGCAGGACCAGAGAATTCGAATA	7600
AGGCCACANNNGATCGACATG		CAGGTCGTANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7361	TGCAGGACCAGAGAATTCGAATA	7601
AAAGCACGANNNGATCGACATG		CATCGCGCTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7362	TGCAGGACCAGAGAATTCGAATA	7602
ACACAGGAANNNGATCGACATG		CAAAGAACTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7363	TGCAGGACCAGAGAATTCGAATA	7603
AGCAGCCTGNNNGATCGACATG		CATCCTTTCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7364	TGCAGGACCAGAGAATTCGAATA	7604
AGGCTGCGTNNNGATCGACATG		CATGGCGTCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7365	TGCAGGACCAGAGAATTCGAATA	7605
ACTCTAGCTNNNGATCGACATG		CAGGCTGTCGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7366	TGCAGGACCAGAGAATTCGAATA	7606
AGAAGGCTANNNGATCGACATG		CATGTCCATCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7367	TGCAGGACCAGAGAATTCGAATA	7607
ATATCTGAANNNGATCGACATG		CAGTTGGAAGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7368	TGCAGGACCAGAGAATTCGAATA	7608
ATACTATTCCNNNGATCGACATG		CAGTGGACGNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7369	TGCAGGACCAGAGAATTCGAATA	7609
ACATGACCANNNGATCGACATG		CATCCTGGCCNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7370	TGCAGGACCAGAGAATTCGAATA	7610
AATTCAGGCNNNGATCGACATG		CAATAGGCCANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7371	TGCAGGACCAGAGAATTCGAATA	7611
AAACCAACNNNGATCGACATG		CAATCCGTGANNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7372	TGCAGGACCAGAGAATTCGAATA	7612
ATTACTGTTNNNGATCGACATG		CAGTAGCTGTNNNGATCGACATG	
TGCAGGACCAGAGAATTCGAATAC	7373	TGCAGGACCAGAGAATTCGAATA	7613
AGGTTCCCCNNNGATCGACATG		CAGAAGACGTNNNGATCGACATG	

FIG. 22F

Pos1-31	SEQ ID NO:	Pos1-32	SEQ ID NO:
TGCAGGACCAGAGAATT CGAATAC	7374	TGCAGGACCAGAGAATT CGAATA	7614
AATAAACCTNNNGATCGACATG		CATCCGTACTNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7375	TGCAGGACCAGAGAATT CGAATA	7615
ATTTTCGTGCNNNGATCGACATG		CATGAGGCAANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7376	TGCAGGACCAGAGAATT CGAATA	7616
AGTGACCATNNNGATCGACATG		CATGAGTTATNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7377	TGCAGGACCAGAGAATT CGAATA	7617
ACCCTATACNNNGATCGACATG		CAATTGGTGCNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7378	TGCAGGACCAGAGAATT CGAATA	7618
ACCCCATATNNNGATCGACATG		CAGGCGTTGCNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7379	TGCAGGACCAGAGAATT CGAATA	7619
AGATAGGTGNNNGATCGACATG		CAGCATCTCTNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7380	TGCAGGACCAGAGAATT CGAATA	7620
AAAATAACGNNNGATCGACATG		CAACTCTCCANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7381	TGCAGGACCAGAGAATT CGAATA	7621
AATAATCGTNNNGATCGACATG		CAATAAGTAGNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7382	TGCAGGACCAGAGAATT CGAATA	7622
AGTGGACTTNNNGATCGACATG		CAGATTGCCANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7383	TGCAGGACCAGAGAATT CGAATA	7623
AGTTACTGGNNNGATCGACATG		CAGTTCAGANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7384	TGCAGGACCAGAGAATT CGAATA	7624
ATCCTAGGANNNGATCGACATG		CAAACCGTACNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7385	TGCAGGACCAGAGAATT CGAATA	7625
AAAACCTACNNNGATCGACATG		CACGCGTTGGNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7386	TGCAGGACCAGAGAATT CGAATA	7626
AAAGTGCTCNNNGATCGACATG		CAAATTCGAANNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7387	TGCAGGACCAGAGAATT CGAATA	7627
AGTATTTTCNNNGATCGACATG		CATGACCAGTNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7388	TGCAGGACCAGAGAATT CGAATA	7628
AGAAAGCTGNNNGATCGACATG		CAATGGATTNNNGATCGACATG	
TGCAGGACCAGAGAATT CGAATAC	7389	TGCAGGACCAGAGAATT CGAATA	7629
AATCAGGACNNNTGCATCAGGT		CAAAGTCCACNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7390	TGCAGGACCAGAGAATT CGAATA	7630
AAGGACCTTNNNTGCATCAGGT		CAGTGGCGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7391	TGCAGGACCAGAGAATT CGAATA	7631
AGAATGTAANNNTGCATCAGGT		CATCTGGATGNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7392	TGCAGGACCAGAGAATT CGAATA	7632
AAAAC TGCCNNNTGCATCAGGT		CACCGATGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7393	TGCAGGACCAGAGAATT CGAATA	7633
AATACAATCANNNTGCATCAGGT		CAAGTGCTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7394	TGCAGGACCAGAGAATT CGAATA	7634
AGAGCAGCGNNNTGCATCAGGT		CACAATAGTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7395	TGCAGGACCAGAGAATT CGAATA	7635
ATCGTGTTCCNNNTGCATCAGGT		CATACAGGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7396	TGCAGGACCAGAGAATT CGAATA	7636
ACTGAGCCGNNNTGCATCAGGT		CATATACCTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7397	TGCAGGACCAGAGAATT CGAATA	7637
ACAAGCAGANNNTGCATCAGGT		CAGGAGTAACNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7398	TGCAGGACCAGAGAATT CGAATA	7638
AGTCTTACNNNTGCATCAGGT		CAGCTATGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7399	TGCAGGACCAGAGAATT CGAATA	7639
ACGCTCTCCGNNNTGCATCAGGT		CAGTTACACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7400	TGCAGGACCAGAGAATT CGAATA	7640
AGGCGTTCCGNNNTGCATCAGGT		CAGAAGGAAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7401	TGCAGGACCAGAGAATT CGAATA	7641
ACCGCACCTNNNTGCATCAGGT		CAATGACTTANNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7402	TGCAGGACCAGAGAATT CGAATA	7642
AAGTGGTTCCNNNTGCATCAGGT		CATCTCTAATNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7403	TGCAGGACCAGAGAATT CGAATA	7643
AGTTGCGTANNNTGCATCAGGT		CAGGAATAATNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7404	TGCAGGACCAGAGAATT CGAATA	7644
ACCAAAATCCNNNTGCATCAGGT		CAATTATACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7405	TGCAGGACCAGAGAATT CGAATA	7645
AGCTTTGCTCANNNTGCATCAGGT		CACAAAGGACNNNTGCATCAGGT	
TGCAGGACCAGAGAATT CGAATAC	7406	TGCAGGACCAGAGAATT CGAATA	7646
ACTTCAATTNNNTGCATCAGGT		CAATAGAATGNNNTGCATCAGGT	

FIG. 22G

Pos1-31	SEQ ID NO:	Pos1-32	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATAC	7407	TGCAGGACCAGAGAATTCTGAATA	7647
AGAATCTGCNNNTGCATCAGGT		CAGGTCTGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7408	TGCAGGACCAGAGAATTCTGAATA	7648
ACCAGGACNNNTGCATCAGGT		CACATTTTCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7409	TGCAGGACCAGAGAATTCTGAATA	7649
AAGAGCATGNNNTGCATCAGGT		CAGCAGAGCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7410	TGCAGGACCAGAGAATTCTGAATA	7650
AACGGCCACNNNTGCATCAGGT		CAGCGGTAGGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7411	TGCAGGACCAGAGAATTCTGAATA	7651
ACCTAAACGNNNTGCATCAGGT		CAGGAGTCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7412	TGCAGGACCAGAGAATTCTGAATA	7652
AGGTAACTCNNNTGCATCAGGT		CAACCATTCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7413	TGCAGGACCAGAGAATTCTGAATA	7653
ATGGCTGATNNNTGCATCAGGT		CATCAAATGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7414	TGCAGGACCAGAGAATTCTGAATA	7654
AGCCGTAGCNNNTGCATCAGGT		CACAGTTCGANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7415	TGCAGGACCAGAGAATTCTGAATA	7655
ATATCATTCNNNTGCATCAGGT		CAGATCTAATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7416	TGCAGGACCAGAGAATTCTGAATA	7656
AGAGCAGTANNNTGCATCAGGT		CATTTCAGTTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7417	TGCAGGACCAGAGAATTCTGAATA	7657
AGCGTAAGANNNTGCATCAGGT		CAGACAATTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7418	TGCAGGACCAGAGAATTCTGAATA	7658
ATCGCAAACNNNTGCATCAGGT		CAGCCGTAATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7419	TGCAGGACCAGAGAATTCTGAATA	7659
AGAAGCTTCNNNTGCATCAGGT		CAAATACAAGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7420	TGCAGGACCAGAGAATTCTGAATA	7660
ATATTACCTNNNTGCATCAGGT		CAGTCCGCCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7421	TGCAGGACCAGAGAATTCTGAATA	7661
ATGCATGTGNNNTGCATCAGGT		CACCATCATCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7422	TGCAGGACCAGAGAATTCTGAATA	7662
AGCTTTGAGNNNTGCATCAGGT		CACCTGTCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7423	TGCAGGACCAGAGAATTCTGAATA	7663
ATCCTATTANNNTGCATCAGGT		CAGCTTCCTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7424	TGCAGGACCAGAGAATTCTGAATA	7664
ACGTCAGGCNNNTGCATCAGGT		CAACCCAACANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7425	TGCAGGACCAGAGAATTCTGAATA	7665
ACCGCGATGNNNTGCATCAGGT		CAAACCGCGANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7426	TGCAGGACCAGAGAATTCTGAATA	7666
AGGTTGTCAANNNTGCATCAGGT		CATCTGCATCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7427	TGCAGGACCAGAGAATTCTGAATA	7667
AGCAGCAAANNNTGCATCAGGT		CAATTCCAANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7428	TGCAGGACCAGAGAATTCTGAATA	7668
AGCGTAACNNNTGCATCAGGT		CACACCAAGTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7429	TGCAGGACCAGAGAATTCTGAATA	7669
AGAGAGTCANNNTGCATCAGGT		CAGCACAACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7430	TGCAGGACCAGAGAATTCTGAATA	7670
ACTATGCCTNNNTGCATCAGGT		CAAGGTGGATNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7431	TGCAGGACCAGAGAATTCTGAATA	7671
AAACCGAAGNNNTGCATCAGGT		CATGCTAGCANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7432	TGCAGGACCAGAGAATTCTGAATA	7672
ACGGCCCGGNNNTGCATCAGGT		CATTGTGAGCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7433	TGCAGGACCAGAGAATTCTGAATA	7673
AAAGCGCCNNNTGCATCAGGT		CAAGTTTCGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7434	TGCAGGACCAGAGAATTCTGAATA	7674
AATAAGGATNNNTGCATCAGGT		CAGCTAGTACNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7435	TGCAGGACCAGAGAATTCTGAATA	7675
AAGCTGAGANNNTGCATCAGGT		CATAGGTGCTNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7436	TGCAGGACCAGAGAATTCTGAATA	7676
ACTCTGACTNNNTGCATCAGGT		CACATTACGNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7437	TGCAGGACCAGAGAATTCTGAATA	7677
ATCGCAGCCNNNTGCATCAGGT		CATGCAATTANNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7438	TGCAGGACCAGAGAATTCTGAATA	7678
AATATTAGCNNNTGCATCAGGT		CATGGCCCCNNNTGCATCAGGT	
TGCAGGACCAGAGAATTCTGAATAC	7439	TGCAGGACCAGAGAATTCTGAATA	7679
AACCGTATGNNNTGCATCAGGT		CAGCTGCAGCNNNTGCATCAGGT	

FIG. 22H

Pos1-31	SEQ ID NO:	Pos1-32	SEQ ID NO:
TGCAGGACCAGAGAATTCTGAATAC AGGTCGGTCNNNTGCATCAGGT	7440	TGCAGGACCAGAGAATTCTGAATA CATTTGCCCANNNNTGCATCAGGT	7680
TGCAGGACCAGAGAATTCTGAATAC AATATCGTANNNNTGCATCAGGT	7441	TGCAGGACCAGAGAATTCTGAATA CAGACCATTGNNNTGCATCAGGT	7681
TGCAGGACCAGAGAATTCTGAATAC AACCTCTCANNNNTGCATCAGGT	7442	TGCAGGACCAGAGAATTCTGAATA CACC CGTAGNNNTGCATCAGGT	7682
TGCAGGACCAGAGAATTCTGAATAC AGTCGGTGCNNNTGCATCAGGT	7443	TGCAGGACCAGAGAATTCTGAATA CATTAGCTGNNNTGCATCAGGT	7683
TGCAGGACCAGAGAATTCTGAATAC ATTCGCCCGNNNTGCATCAGGT	7444	TGCAGGACCAGAGAATTCTGAATA CATCTGATTNNNTGCATCAGGT	7684
TGCAGGACCAGAGAATTCTGAATAC ACAGGCTGCNNNTGCATCAGGT	7445	TGCAGGACCAGAGAATTCTGAATA CATCATAGGNNNTGCATCAGGT	7685
TGCAGGACCAGAGAATTCTGAATAC ATCGCTTACNNNTGCATCAGGT	7446	TGCAGGACCAGAGAATTCTGAATA CATGGAGGTANNNNTGCATCAGGT	7686
TGCAGGACCAGAGAATTCTGAATAC ACGGATTGTNNNTGCATCAGGT	7447	TGCAGGACCAGAGAATTCTGAATA CAGTCTCTACNNNTGCATCAGGT	7687
TGCAGGACCAGAGAATTCTGAATAC ACAAGCTGTNNNTGCATCAGGT	7448	TGCAGGACCAGAGAATTCTGAATA CAGCCTGGTCNNNTGCATCAGGT	7688

FIG. 23

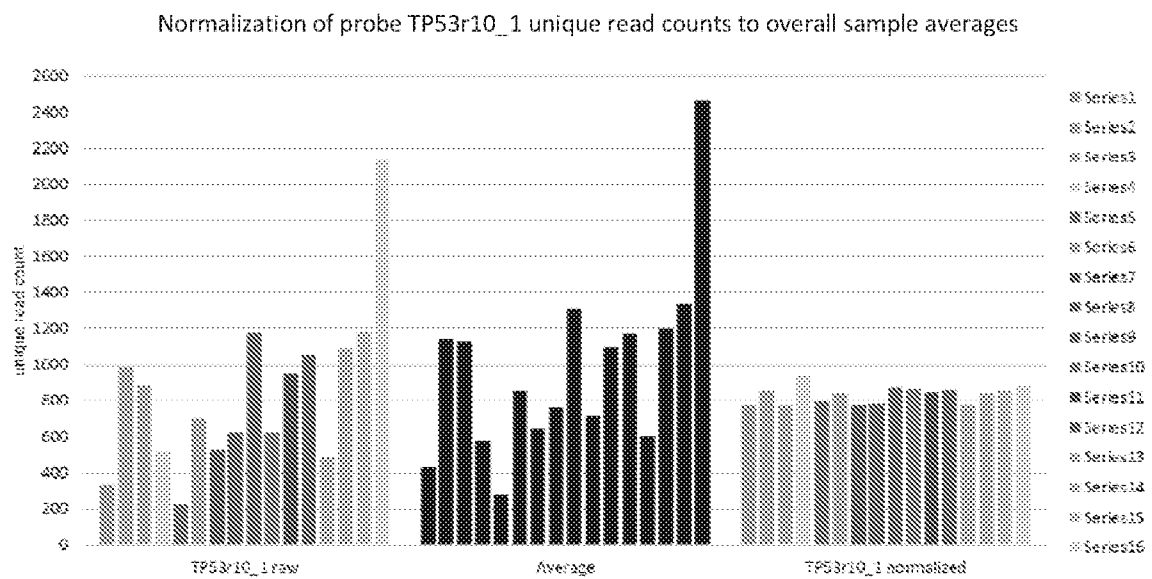
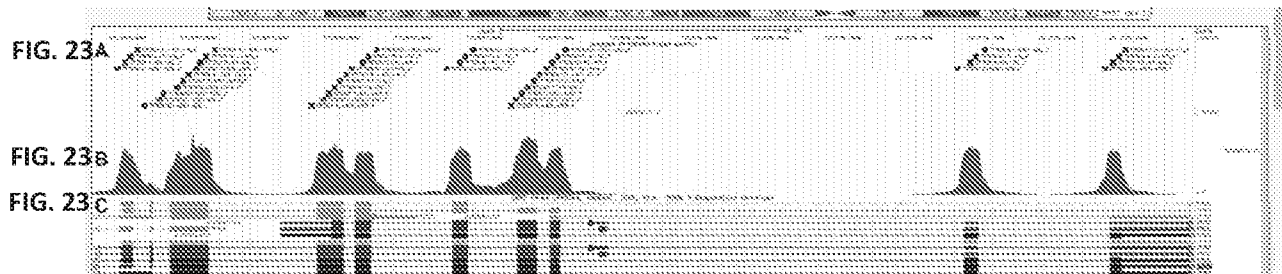


FIG. 24A

FIG. 24B

FIG. 24C

FIG. 25

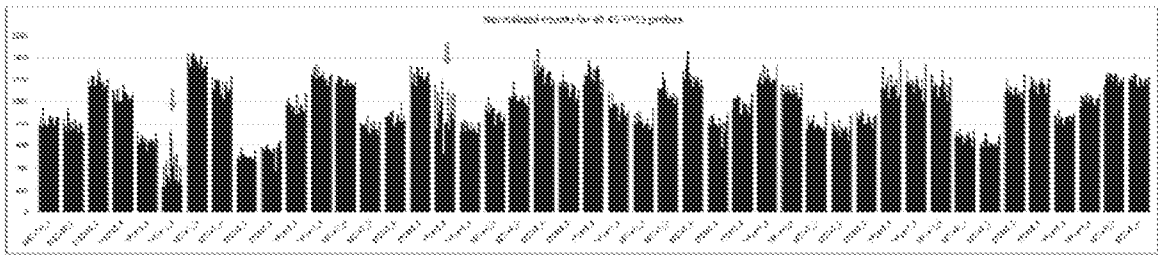


FIG. 26

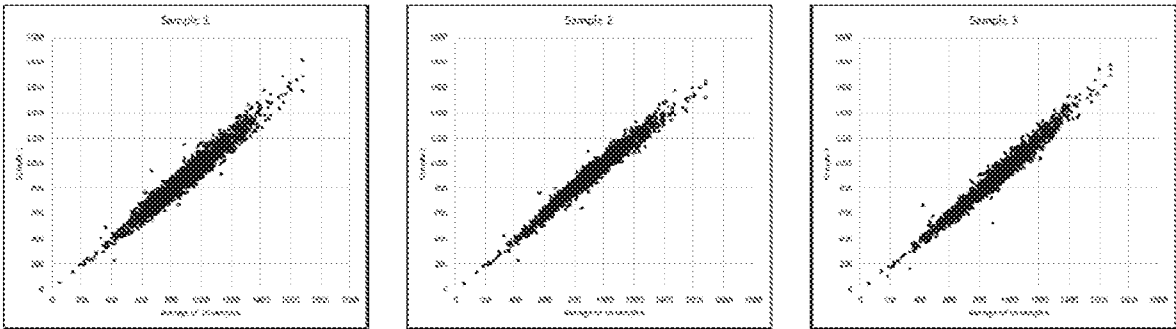


FIG. 27A

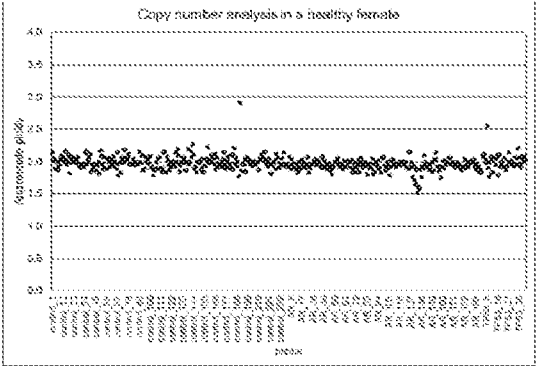


FIG. 27B

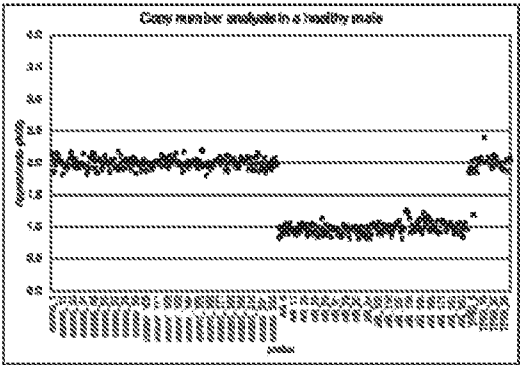


FIG. 27C

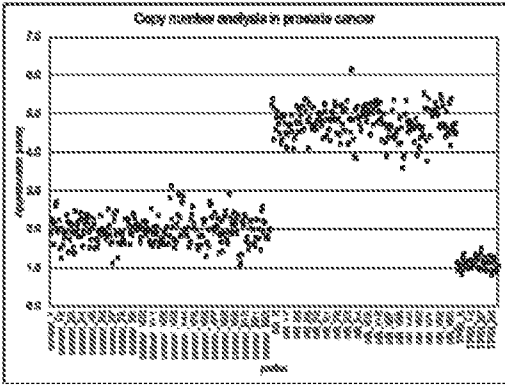


FIG. 28

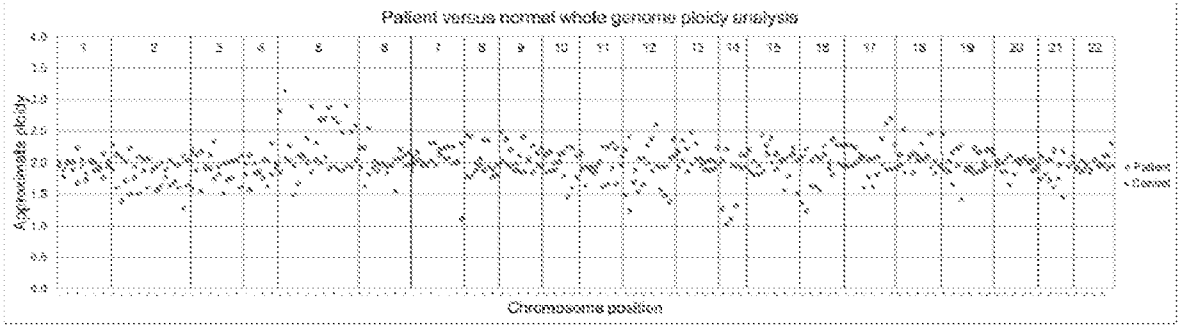


FIG. 29

