FIGURE 1A

DESIGNATION	SEQUENCE	SEQ ID NO
Z12964	VDAKYAKEAEDATMEIYNLPNLTRRQYVAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	1
Z12933	VDAKYAKEAKTAQIEIYDLPNLTRRQYVAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	2
Z12922	VDAKYAKEDEQAQLEIFNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	3
Z12941	VDAKYAKEVLYAYWEIFALPNLTRKQYTAFIRKLMDDPSQSSELLSEAKKLNDSQAPK	4
Z12915	VDAKYAKEVKWAHHEIFQLPNLTRKQYTAFIVKLFDDPSQSSELLSEAKKLNDSQAPK	5
Z12975	VDAKYAKEAHNAQQEIYRLPNLTRRQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	6
Z12905	VDAKYAKEARAAQGEIYALPNLTRRQYTAFIMKLLDDPSQSSELLSEAKKLNDSQAPK	7
Z12974	VDAKYAKEADHAQQEIFALPNLTRRQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	8
Z12967	VDAKYAKEAHRAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	9
Z12912	VDAKYAKEALLAQQEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	10
Z12910	VDAKYAKEALSAQQEIFALPNLTRSQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	11
Z12895	VDAKYAKEALSAQQEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	12
Z12884	VDAKYAKEASLAQHEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	13
Z12920	VDAKYAKEAVYARDEIYLLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	14
Z12917	VDAKYAKEARQAYAEIYLLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	15
Z12961	VDAKYAKEARSAYAEIYGLPNLTRRQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	16
Z12929	VDAKYAKEQADAYAEIYSLPNLTRKQYVAFIRKLIDDPSQSSELLSEAKKLNDSQAPK	17
Z12911	VDAKYAKEHEKAILEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	18
Z12891	VDAKYAKEQSQAYHEIFKLPNLTRRQYTAFIMKLLDDPSQSSELLSEAKKLNDSQAPK	19
Z15810	VDAKYAKEVTDAQLEIFALPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	20
Z15811	VDAKYAKEVEEAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	21
Z15812	VDAKYAKEVESAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	22
Z15813	VDAKYAKEVDEAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	23
Z15814	VDAKYAKELENAYMEIYLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	24
Z15815	VDAKYAKELESAYMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	25
Z15816	VDAKYAKEVEEAQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	26
Z15817	VDAKYAKETEDAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	27
Z15818	VDAKYAKEVEQAQMEIYNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	28

FIGURE 1B

Z15819	VDAKYAKEAYVAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	29
Z15820	VDAKYAKEAYNAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	30
Z15821	VDAKYAKELEEAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	31
Z15822	VDAKYAKEIEAAQMEIFTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	32
Z15823	VDAKYAKEVEQAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	33
Z15824	VDAKYAKEIEEAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	34
Z15825	VDAKYAKETYNAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	35
Z15826	VDAKYAKEVERAQMEIFDLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	36
Z15827	VDAKYAKEIESAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	37
Z15828	VDAKYAKEVHAAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	38
Z15829	VDAKYAKETYEAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	39
Z15830	VDAKYAKEIEDAYMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	40
Z15831	VDAKYAKEAERAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	41
Z15832	VDAKYAKEVEIAQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	42
Z15833	VDAKYAKEVEFAQMEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	43
Z15834	VDAKYAKEVITAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	44
Z15835	VDAKYAKEIEEAQMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	45
Z15836	VDAKYAKETEAAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	46
Z15837	VDAKYAKEIENAQMEIYYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	47
Z15839	VDAKYAKETVEAYEEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	48
Z15840	VDAKYAKEVEVAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	49
Z15841	VDAKYAKEVEDAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	50
Z15842	VDAKYAKEIEVAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	51
Z15843	VDAKYAKEVEQAQMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	52
Z15844	VDAKYAKEVDQAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	53
Z15845	VDAKYAKEVEDAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	54
Z15846	VDAKYAKEIEEAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	55
Z15847	VDAKYAKEVYVAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	56
Z15848	VDAKYAKEIEEAQMEIFRLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	57

FIGURE 1C

Z15849	VDAKYAKEVEHAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	58
Z15850	VDAKYAKEIEIAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	59
Z15851	VDAKYAKEVVEAYQEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	60
Z15852	VDAKYAKEAEFAQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	61
Z15853	VDAKYAKEVELAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	62
Z15854	VDAKYAKEVEVAQMEIYGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	63
Z15855	VDAKYAKEIESAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	64
Z15856	VDAKYAKEVERAQFEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	65
Z15857	VDAKYAKEVKEAQDEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	66
Z15858	VDAKYAKEVEKAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	67
Z15859	VDAKYAKEVEFAQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	68
Z15860	VDAKYAKEVEQAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	69
Z15861	VDAKYAKEVENAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	70
Z15862	VDAKYAKEVEIAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	71
Z15863	VDAKYAKEIESAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	72
Z15864	VDAKYAKEIENAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	73
Z15865	VDAKYAKEIEDAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	74
Z15866	VDAKYAKELEKAQMEIYRLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	75
Z15867	VDAKYAKETYEAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	76
Z15868	VDAKYAKEVEWAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	77
Z15869	VDAKYAKEVQAAQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	78
Z15870	VDAKYAKEVEYAQMEIFFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	79
Z15871	VDAKYAKEVELAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	80
Z15872	VDAKYAKEVEKAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	81
Z15873	VDAKYAKEAEIAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	82
Z15874	VDAKYAKEVEKAYYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	83
Z15875	VDAKYAKELEDAYFEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	84
Z15877	VDAKYAKEVEEAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	85
Z15878	VDAKYAKEAADAYQEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	86

FIGURE 1D

Z15879	VDAKYAKEVEIAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	87
Z15880	VDAKYAKEVEIAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	88
Z15881	VDAKYAKEIEKAQMEIFRLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	89
Z15882	VDAKYAKEVEEAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	90
Z15883	VDAKYAKETEIAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	91
Z15884	VDAKYAKEIHDAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	92
Z15885	VDAKYAKETEKAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	93
Z15886	VDAKYAKEVERAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	94
Z15887	VDAKYAKEVKEAQMEIFVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	95
Z15888	VDAKYAKEVEDAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	96
Z15889	VDAKYAKEVEAAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	97
Z15890	VDAKYAKEAEKAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	98
Z15891	VDAKYAKEIDKAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	99
Z15892	VDAKYAKETEYAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	100
Z15893	VDAKYAKEVEQAQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	101
Z15894	VDAKYAKEVEIAQMEIFILPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	102
Z15895	VDAKYAKEIEQAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	103
Z15896	VDAKYAKELDEAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	104
Z15897	VDAKYAKETENAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	105
Z15898	VDAKYAKEVESAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	106
Z15899	VDAKYAKEIENAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	107
Z15900	VDAKYAKEVIDAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	108
Z15901	VDAKYAKELYEAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	109
Z15902	VDAKYAKEVETAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	110
Z15903	VDAKYAKEVEFAQMEIYALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	111
Z15904	VDAKYAKEVEEAQQEIFQLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	112
Z15905	VDAKYAKEVESAQMEIYNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	113
Z15906	VDAKYAKETEQAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	114
Z15907	VDAKYAKELEAAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	115

FIGURE 1E

Z15908	VDAKYAKEVEEAYMEIYNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	116
Z15909	VDAKYAKEVEVAYMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	117
Z15910	VDAKYAKEIEQAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	118
Z15911	VDAKYAKEIEVAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	119
Z15912	VDAKYAKEVEAAQMEIFVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	120
Z15913	VDAKYAKEVEAAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	121
Z15914	VDAKYAKEVETAQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	122
Z15915	VDAKYAKEAENAQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	123
Z15916	VDAKYAKEIERAQHEIFNLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	124
Z15917	VDAKYAKEVEEAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	125
Z15918	VDAKYAKELEAAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	126
Z15919	VDAKYAKEVVSAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	127
Z15920	VDAKYAKEVEDAQMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	128
Z15921	VDAKYAKEVEEAQMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	129
Z15922	VDAKYAKEIEKAQMEIFKLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	130
Z15923	VDAKYAKETYYAQMEIFTLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	131
Z15924	VDAKYAKETYEAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	132
Z15925	VDAKYAKEIEEAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	133
Z15926	VDAKYAKEVQEAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	134
Z15927	VDAKYAKEIEEAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	135
Z15928	VDAKYAKELEAAYMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	136
Z15929	VDAKYAKETERAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	137
Z15930	VDAKYAKEIEHAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	138
Z15933	VDAKYAKEVEDAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	139
Z15935	VDAKYAKEVEAAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	140
Z15936	VDAKYAKEVVAAYQEIYQLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	141
Z15937	VDAKYAKETYAAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	142
Z15938	VDAKYAKEVEQAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	143
Z15939	VDAKYAKEIEKAQMEIYQLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	144

FIGURE 1F

Z15940	VDAKYAKEAEVAYFEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	145
Z15941	VDAKYAKEAIDAYDEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	146
Z15942	VDAKYAKEVEDAQMEIYFLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	147
Z15943	VDAKYAKEIENAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	148
Z15944	VDAKYAKEVDDAYMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	149
Z15945	VDAKYAKEVEEAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	150
Z15946	VDAKYAKEVESAQMEIFKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	151
Z15947	VDAKYAKETEIAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	152
Z15948	VDAKYAKEVERAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	153
Z15949	VDAKYAKETETAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	154
Z15950	VDAKYAKEIEYAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	155
Z15951	VDAKYAKELERAQMEIYHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	156
Z15952	VDAKYAKESEIAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	157
Z15953	VDAKYAKETEKAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	158
Z15954	VDAKYAKEVENAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	159
Z15955	VDAKYAKEVEEAQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	160
Z15956	VDAKYAKEVKEAQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	161
Z15957	VDAKYAKEVQEAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	162
Z15958	VDAKYAKEVQFAYMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	163
Z15959	VDAKYAKELEHAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	164
Z15960	VDAKYAKETEAAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	165
Z15961	VDAKYAKEVETAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	166
Z15962	VDAKYAKELEKAQMEIYYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	167
Z15963	VDAKYAKEIEEAQMEIYDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	168
Z15964	VDAKYAKELESAYMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	169
Z15965	VDAKYAKEIEVAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	170
Z15966	VDAKYAKEVELAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	171
Z15967	VDAKYAKEIEEAQMEIFTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	172
Z15968	VDAKYAKEIEAAQMEIYYLPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	173

FIGURE 1G

Z15969	VDAKYAKEIEEAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	174
Z15970	VDAKYAKEVEFAQLEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	175
Z15971	VDAKYAKEIEEAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	176
Z15972	VDAKYAKEVEQAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	177
Z15973	VDAKYAKEAFTAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	178
Z15974	VDAKYAKETHQAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	179
Z15976	VDAKYAKEVEDAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	180
Z15977	VDAKYAKEVEQAQMEIYVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	181
Z15978	VDAKYAKEVEAAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	182
Z15979	VDAKYAKEVEEAQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	183
Z15980	VDAKYAKEIEEAQMEIYALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	184
Z15981	VDAKYAKEIEQAQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	185
Z15982	VDAKYAKETEEAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	186
Z15983	VDAKYAKEIERAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	187
Z15984	VDAKYAKELESAQMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	188
Z15985	VDAKYAKEVEAAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	189
Z15986	VDAKYAKEVEEAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	190
Z15987	VDAKYAKEVEEAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	191
Z15988	VDAKYAKEVEKAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	192
Z15989	VDAKYAKEVEQAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	193
Z15990	VDAKYAKELEHAYHEIYILPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	194
Z15991	VDAKYAKEIEEAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	195
Z15992	VDAKYAKEVEDAQQEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	196
Z15993	VDAKYAKEIEIAQMEIYALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	197
Z15994	VDAKYAKEVEWAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	198
Z15995	VDAKYAKEVLDAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	199
Z15996	VDAKYAKEVESAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	200
Z15997	VDAKYAKEIEEAQMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	201
Z15998	VDAKYAKEIEDAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	202

FIGURE 1H

Z15999	VDAKYAKEVEIAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	203
Z16000	VDAKYAKEAYRAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	204
Z16001	VDAKYAKEVELAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	205
Z16002	VDAKYAKETEHAQMEIYNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	206
Z16003	VDAKYAKEVYIAQMEIYGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	207
Z16004	VDAKYAKEVEVAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	208
Z16005	VDAKYAKELEDAQMEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	209
Z16006	VDAKYAKEIEQAQMEIFALPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	210
Z16007	VDAKYAKEVEIAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	211
Z16008	VDAKYAKEVEVAQMEIFNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	212
Z16009	VDAKYAKEVEEAQLEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	213
Z16010	VDAKYAKETEQAQMEIFNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	214
Z16011	VDAKYAKEIEVAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	215
Z16012	VDAKYAKEVEQAQMEIFFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	216
Z16013	VDAKYAKEIESAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	217
Z16014	VDAKYAKEIEKAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	218
Z16015	VDAKYAKEVEEAYMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	219
Z16016	VDAKYAKEVEDAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	220
Z16017	VDAKYAKEVEEAQMEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	221
Z16018	VDAKYAKEVELAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	222
Z16019	VDAKYAKETEYAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	223
Z16020	VDAKYAKEVEAAQMEIYGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	224
Z16021	VDAKYAKEVEVAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	225
Z16022	VDAKYAKEIEFAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	226
Z16023	VDAKYAKEVEEAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	227
Z16024	VDAKYAKEVEEAQMEIFTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	228
Z16025	VDAKYAKEVEVAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	229
Z16026	VDAKYAKEVEKAQMEIYYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	230
Z16027	VDAKYAKEVYQAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	231

FIGURE 1I

Z16028	VDAKYAKEIRDAQMEIFDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	232
Z16029	VDAKYAKEIEDAQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	233
Z16030	VDAKYAKEVEYAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	234
Z16031	VDAKYAKEAYYAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	235
Z16032	VDAKYAKEAEDAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	236
Z16033	VDAKYAKEIEDAYMEIYRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	237
Z16034	VDAKYAKEVEEAQMEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	238
Z16035	VDAKYAKELEEAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	239
Z16036	VDAKYAKEVETAQMEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	240
Z16037	VDAKYAKEIEDAQMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	241
Z16038	VDAKYAKEVEDAQMEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	242
Z16039	VDAKYAKEVEEAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	243
Z16040	VDAKYAKEVQDAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	244
Z16041	VDAKYAKEIETAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	245
Z16042	VDAKYAKEVEDAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	246
Z16043	VDAKYAKETEEAQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	247
Z16044	VDAKYAKEVERAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	248
Z16045	VDAKYAKEAEYAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	249
Z16046	VDAKYAKEIYSAQMEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	250
Z16047	VDAKYAKEIEKAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	251
Z16048	VDAKYAKEIEEAQMEIYYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	252
Z16049	VDAKYAKEVEQAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	253
Z16050	VDAKYAKEVEAAQMEIFNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	254
Z16051	VDAKYAKEVESAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	255
Z16052	VDAKYAKEIEAAQMEIFDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	256
Z16053	VDAKYAKETERAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	257
Z16054	VDAKYAKEAEVAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	258
Z16055	VDAKYAKEIEEAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	259
Z16056	VDAKYAKEVEQAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	260

FIGURE 1J

Z16057	VDAKYAKEAEEAQMEIFTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	261
Z16058	VDAKYAKEVEEAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	262
Z16059	VDAKYAKETYYAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	263
Z16060	VDAKYAKEVEEAQMEIYSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	264
Z16061	VDAKYAKEIEAAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	265
Z16062	VDAKYAKEIEEAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	266
Z16063	VDAKYAKEIESAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	267
Z16065	VDAKYAKEVEEAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	268
Z16066	VDAKYAKEAEEAYYEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	269
Z16067	VDAKYAKEVEIAYFEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	270
Z16068	VDAKYAKEVEVAQLEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	271
Z16069	VDAKYAKEVEEAQMEIYFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	272
Z16070	VDAKYAKEIEEAQMEIYRLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	273
Z16071	VDAKYAKEVRAAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	274
Z16072	VDAKYAKEVEIAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	275
Z16073	VDAKYAKEAERAQMEIWKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	276
Z16074	VDAKYAKETESAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	277
Z16075	VDAKYAKEVEEAQMEIFALPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	278
Z16076	VDAKYAKELEAAQMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	279
Z16077	VDAKYAKEVEVAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	280
Z16078	VDAKYAKEVEVAQMEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	281
Z16079	VDAKYAKEVEEAQMEIFFLPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	282
Z16080	VDAKYAKEVEAAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	283
Z16081	VDAKYAKEAEYAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	284
Z16082	VDAKYAKEVESAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	285
Z16083	VDAKYAKELEQAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	286
Z16084	VDAKYAKEIEIAQMEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	287
Z16086	VDAKYAKEVESAQMEIFALPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	288
Z16087	VDAKYAKEAENAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	289

FIGURE 1K

Z16088	VDAKYAKEVTTAYYEIYNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	290
Z16089	VDAKYAKEIESAYYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	291
Z16090	VDAKYAKEVEEAQMEIFYLPNLTRRQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	292
Z16092	VDAKYAKEIEQAQMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	293
Z16093	VDAKYAKETEEAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	294
Z16094	VDAKYAKEVEEAQMEIFYLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	295
Z16095	VDAKYAKEAAAAHWEIYNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	296
Z16096	VDAKYAKEVERAQMEIFGLPNLTRRQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	297
Z16097	VDAKYAKETERAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	298
Z16098	VDAKYAKEVEEAQMEIYVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	299
Z16099	VDAKYAKEAENAYHEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	300
Z16101	VDAKYAKEAYAAQMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	301
Z16102	VDAKYAKEVETAQMEIYQLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	302
Z16103	VDAKYAKEAEDAQLEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	303
Z16104	VDAKYAKEAQEAYYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	304
Z16105	VDAKYAKEVEHAYMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	305
Z16106	VDAKYAKEVEDAQMEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	306
Z16107	VDAKYAKEVEEAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	307
Z16108	VDAKYAKEIEYAQMEIFDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	308
Z16109	VDAKYAKEAEWAYMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	309
Z16110	VDAKYAKEVEEAQYEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	310
Z16111	VDAKYAKEIEAAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	311
Z16112	VDAKYAKEVENAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	312
Z16113	VDAKYAKEVEHAYQEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	313
Z16114	VDAKYAKEVEDAYMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	314
Z16115	VDAKYAKEVEDAQMEIFGLPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	315
Z16116	VDAKYAKEVEAAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	316
Z16117	VDAKYAKEIEKAQFEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	317
Z16118	VDAKYAKEVEDAQMEIYSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	318

FIGURE 1L

Z16119	VDAKYAKEAESAYLEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	319
Z16120	VDAKYAKEVVEAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	320
Z16121	VDAKYAKEVEDAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	321
Z16122	VDAKYAKEAEDAYMEIYSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	322
Z16125	VDAKYAKEAQDAYMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	323
Z16126	VDAKYAKEIEAAQMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	324
Z16127	VDAKYAKEIEIAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	325
Z16128	VDAKYAKEVEHAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	326
Z16129	VDAKYAKEAEEAQYEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	327
Z16130	VDAKYAKEVYHAQMEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	328
Z16131	VDAKYAKEVEIAQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	329
Z16132	VDAKYAKELERAYAEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	330
Z16133	VDAKYAKEVDEAYMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	331
Z16134	VDAKYAKEFHRAYSEIYLLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	332
Z16135	VDAKYAKEVELAQHEIFQLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	333
Z16136	VDAKYAKEVESAQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	334
Z16137	VDAKYAKEAEIAYYEIYSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	335
Z16138	VDAKYAKEVEDAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	336
Z16139	VDAKYAKETFKAQQEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	337
Z16140	VDAKYAKEAEQAYWEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	338
Z16141	VDAKYAKEVVQAYDEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	339
Z16142	VDAKYAKEASDAYEEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	340
Z16143	VDAKYAKEIEAAQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	341
Z16144	VDAKYAKEAEEAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	342
Z16145	VDAKYAKEVEHAQYEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	343
Z16146	VDAKYAKEAEKAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	344
Z16147	VDAKYAKEVDAAYMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	345
Z16148	VDAKYAKEVEIAQMEIYNLPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	346
Z16149	VDAKYAKEVENAYFEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	347

FIGURE 1M

Z16150	VDAKYAKEVEDAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	348
Z16152	VDAKYAKEVEKAYFEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	349
Z16154	VDAKYAKEIEAAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	350
Z16155	VDAKYAKETWYAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	351
Z16156	VDAKYAKEIERAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	352
Z16157	VDAKYAKEVDDAYMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	353
Z16158	VDAKYAKEVEAAYVEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	354
Z16159	VDAKYAKEFSEAYFEIYSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	355
Z16160	VDAKYAKEVAKAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	356
Z16161	VDAKYAKEVEYAQMEIYSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	357
Z16162	VDAKYAKEAESAYWEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	358
Z16163	VDAKYAKEVERAQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	359
Z16164	VDAKYAKEVEEAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	360
Z16165	VDAKYAKEIEVAQMEIYSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	361
Z16166	VDAKYAKEVRIAQFEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	362
Z16167	VDAKYAKEVEQAQHEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	363
Z16168	VDAKYAKEAVSAYWEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	364
Z16169	VDAKYAKETEEAQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	365
Z16170	VDAKYAKEADAAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	366
Z16171	VDAKYAKETAAAQAEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	367
Z16172	VDAKYAKEAFDAYWEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	368
Z16173	VDAKYAKEIEAAYAEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	369
Z16174	VDAKYAKEVIDAYFEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	370
Z16175	VDAKYAKEVESAQMEIYRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	371
Z16176	VDAKYAKETEEAYQEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	372
Z16177	VDAKYAKEVEIAQMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	373
Z16178	VDAKYAKEVEEAQMEIFFLPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	374
Z16179	VDAKYAKEIEIAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	375
Z16180	VDAKYAKETYWAQQEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	376

FIGURE 1N

Z16181	VDAKYAKEAESAQMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	377
Z16182	VDAKYAKELETAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	378
Z16183	VDAKYAKEVEDAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	379
Z16184	VDAKYAKELELAYQEIYALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	380
Z16185	VDAKYAKEIVAAYWEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	381
Z16186	VDAKYAKEVEEAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	382
Z16187	VDAKYAKEIDSAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	383
Z16188	VDAKYAKEAEQAYQEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	384
Z16189	VDAKYAKEAYRAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	385
Z16190	VDAKYAKEVEDAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	386
Z16191	VDAKYAKEIEAAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	387
Z16192	VDAKYAKEAYEAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	388
Z16193	VDAKYAKEVVDAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	389
Z16194	VDAKYAKEVEQAQMEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	390
Z16195	VDAKYAKETEKAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	391
Z16196	VDAKYAKETYQAQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	392
Z16197	VDAKYAKEVESAQMEIFALPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	393
Z16198	VDAKYAKEIEDAQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	394
Z16199	VDAKYAKEVEKAQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	395
Z16200	VDAKYAKEIEQAQFEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	396
Z16201	VDAKYAKETEVAQMEIFKLPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	397
Z16202	VDAKYAKEVEQAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	398
Z16203	VDAKYAKEVEIAQHEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	399
Z16204	VDAKYAKEVELAYMEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	400
Z16205	VDAKYAKEVVQAYDEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	401
Z16206	VDAKYAKEVEEAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	402
Z16207	VDAKYAKEVEEAQMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	403
Z16208	VDAKYAKEVEKAQMEIFDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	404
Z16209	VDAKYAKEVEEAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	405

FIGURE 1O

Z16210	VDAKYAKEAETAYHEIYILPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	406
Z16211	VDAKYAKEAEEAQMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	407
Z16212	VDAKYAKEVEFAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	408
Z16213	VDAKYAKEARQAYWEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	409
Z16214	VDAKYAKETETAQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	410
Z16215	VDAKYAKEIEEAQHEIFRLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	411
Z16216	VDAKYAKEVSNAYMEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	412
Z16217	VDAKYAKEIEEAQMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	413
Z16218	VDAKYAKEVTDAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	414
Z16219	VDAKYAKEIEHAQLEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	415
Z16220	VDAKYAKEVEQAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	416
Z16221	VDAKYAKEAEWAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	417
Z16222	VDAKYAKEVHAAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	418
Z16223	VDAKYAKEVEFAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	419
Z16224	VDAKYAKEVIDAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	420
Z16225	VDAKYAKEVEDAYMEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	421
Z16227	VDAKYAKEVEAAQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	422
Z16228	VDAKYAKETVAAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	423
Z16229	VDAKYAKEVVDAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	424
Z16230	VDAKYAKETEEAYWEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	425
Z16231	VDAKYAKEVETAYFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	426
Z16232	VDAKYAKEVVDAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	427
Z16233	VDAKYAKEVQEAYMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	428
Z16234	VDAKYAKEVEDAYYEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	429
Z16235	VDAKYAKEVVEAYDEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	430
Z16236	VDAKYAKETEEAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	431
Z16237	VDAKYAKEVIDAYDEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	432
Z16238	VDAKYAKEVVDAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	433
Z16239	VDAKYAKEVEEAYFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	434

FIGURE 1P

Z16240	VDAKYAKEVESAYMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	435
Z16241	VDAKYAKEVEDAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	436
Z16242	VDAKYAKEAESAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	437
Z16243	VDAKYAKEVEEAYMEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	438
Z16244	VDAKYAKEVEHAYFEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	439
Z16245	VDAKYAKEVETAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	440
Z16246	VDAKYAKEVEDAYMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	441
Z16247	VDAKYAKEAHDAYWEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	442
Z16248	VDAKYAKEVEDAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	443
Z16249	VDAKYAKEVEEAYEEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	444
Z16250	VDAKYAKEVEIAYMEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	445
Z16251	VDAKYAKEVEQAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	446
Z16252	VDAKYAKEVEEAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	447
Z16253	VDAKYAKEVEEAYYEIYLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	448
Z16255	VDAKYAKETEDAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	449
Z16256	VDAKYAKEVEHAYFEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	450
Z16257	VDAKYAKEVEEAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	451
Z16258	VDAKYAKEVETAYMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	452
Z16259	VDAKYAKEVEDAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	453
Z16260	VDAKYAKEIEEAYMEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	454
Z16261	VDAKYAKEVEDAYFEIYTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	455
Z16262	VDAKYAKEVEEAYFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	456
Z16263	VDAKYAKEAEKAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	457
Z16264	VDAKYAKEVEVAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	458
Z16265	VDAKYAKEVEEAYFEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	459
Z16266	VDAKYAKEVTDAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	460
Z16268	VDAKYAKEVEVAYWEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	461
Z16269	VDAKYAKEVEYAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	462
Z16270	VDAKYAKEVEAAYMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	463

FIGURE 1Q

Z16271	VDAKYAKEVEDAYWEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	464
Z16272	VDAKYAKEVVDAYYEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	465
Z16273	VDAKYAKEATAAYMEIYFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	466
Z16274	VDAKYAKEASDAYQEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	467
Z16275	VDAKYAKEAQTAYWEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	468
Z16276	VDAKYAKETVDAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	469
Z16277	VDAKYAKEVEDAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	470
Z16278	VDAKYAKEVVEAYWEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	471
Z16279	VDAKYAKEADEAYWEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	472
Z16280	VDAKYAKEVEFAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	473
Z16281	VDAKYAKEVVDAYYEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	474
Z16282	VDAKYAKEVEAAYFEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	475
Z16283	VDAKYAKEVEDAYMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	476
Z16284	VDAKYAKEAELAYWEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	477
Z16285	VDAKYAKEVEKAYMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	478
Z16286	VDAKYAKEQEFAYFEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	479
Z16287	VDAKYAKELDAAYMEIYGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	480
Z16288	VDAKYAKEAEQAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	481
Z16289	VDAKYAKEHVEAYFEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	482
Z16290	VDAKYAKEVTAAYYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	483
Z16291	VDAKYAKEVEIAYFEIYNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	484
Z16292	VDAKYAKEAQDAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	485
Z16293	VDAKYAKEVITAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	486
Z16294	VDAKYAKEVENAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	487
Z16295	VDAKYAKEHVDAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	488
Z16296	VDAKYAKEVTNAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	489
Z16297	VDAKYAKEAAEAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	490
Z16298	VDAKYAKEVHEAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	491
Z16299	VDAKYAKEADIAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	492

FIGURE 1R

Z16300	VDAKYAKEVEVAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	493
Z16301	VDAKYAKEIEAAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	494
Z16302	VDAKYAKEVETAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	495
Z16303	VDAKYAKEAQQAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	496
Z16304	VDAKYAKEIDKAYFEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	497
Z16305	VDAKYAKEVESAYFEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	498
Z16306	VDAKYAKELYLAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	499
Z16307	VDAKYAKEAVEAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	500
Z16308	VDAKYAKEAVNAYWEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	501
Z16309	VDAKYAKELEYAYFEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	502
Z16311	VDAKYAKEVQAAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	503
Z16312	VDAKYAKEVEKAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	504
Z16313	VDAKYAKETYAAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	505
Z16314	VDAKYAKELEAAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	506
Z16315	VDAKYAKEHVDAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	507
Z16316	VDAKYAKETIHAYDEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	508
Z16317	VDAKYAKEQEEAYWEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	509
Z16318	VDAKYAKEVEEAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	510
Z16319	VDAKYAKEIEEAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	511
Z16320	VDAKYAKEVEDAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	512
Z16321	VDAKYAKEIEEAQMEIYTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	513
Z16322	VDAKYAKEVERAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	514
Z16324	VDAKYAKEVVIAYHEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	515
Z16325	VDAKYAKEAYDAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	516
Z16327	VDAKYAKEIIQAYYEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	517
Z16328	VDAKYAKEVVSAYFEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	518
Z16329	VDAKYAKEVEDAYFEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	519
Z16330	VDAKYAKEVVEAYHEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	520
Z16331	VDAKYAKEAEVAYYEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	521

FIGURE 1S

Z16332	VDAKYAKEVEEAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	522
Z16333	VDAKYAKEAEWAYFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	523
Z16334	VDAKYAKEAEAAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	524
Z16335	VDAKYAKEAYVAYYEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	525
Z16336	VDAKYAKELEYAYHEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	526
Z16337	VDAKYAKESESAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	527
Z16338	VDAKYAKEVEEAYQEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	528
Z16339	VDAKYAKEIEEAYMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	529
Z16340	VDAKYAKEVVDAYSEIYLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	530
Z16341	VDAKYAKELEAAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	531
Z16342	VDAKYAKEVEVAYMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	532
Z16343	VDAKYAKEVHEAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	533
Z16344	VDAKYAKEVENAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	534
Z16345	VDAKYAKEVEHAYYEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	535
Z16346	VDAKYAKEAEDAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	536
Z16347	VDAKYAKETYAAQMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	537
Z16348	VDAKYAKEAEYAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	538
Z16349	VDAKYAKEVVEAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	539
Z16351	VDAKYAKEVVHAYFEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	540
Z16352	VDAKYAKEIENAQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	541
Z16353	VDAKYAKEVEAAYFEIYTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	542
Z16354	VDAKYAKETLHAYDEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	543
Z16356	VDAKYAKEVEEAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	544
Z16357	VDAKYAKEVEEAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	545
Z16358	VDAKYAKETVDAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	546
Z16360	VDAKYAKEAEEAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	547
Z16361	VDAKYAKEIEIAQMEIFTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	548
Z16362	VDAKYAKEVEIAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	549
Z16363	VDAKYAKEVEQAQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	550

FIGURE 1T

Z16364	VDAKYAKEVQDAYWEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	551
Z16365	VDAKYAKETEEAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	552
Z16366	VDAKYAKEVEAAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	553
Z16367	VDAKYAKEIEDAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	554
Z16368	VDAKYAKEVEVAYFEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	555
Z16369	VDAKYAKEIETAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	556
Z16370	VDAKYAKEADAAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	557
Z16371	VDAKYAKEVEQAYYEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	558
Z16372	VDAKYAKEIEKAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	559
Z16373	VDAKYAKEVVAAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	560
Z16376	VDAKYAKEVVSAYYEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	561
Z16377	VDAKYAKETERAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	562
Z16378	VDAKYAKEVESAYFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	563
Z16379	VDAKYAKEVEKAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	564
Z16380	VDAKYAKETEDAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	565
Z16381	VDAKYAKEAEEAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	566
Z16382	VDAKYAKETLEAYDEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	567
Z16383	VDAKYAKELEVAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	568
Z16384	VDAKYAKEVEIAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	569
Z16385	VDAKYAKEVVEAYQEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	570
Z16386	VDAKYAKEAEEAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	571
Z16387	VDAKYAKEVEAAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	572
Z16388	VDAKYAKEHEDAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	573
Z16389	VDAKYAKELEKAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	574
Z16390	VDAKYAKEVEIAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	575
Z16391	VDAKYAKEVELAYMEIFNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	576
Z16392	VDAKYAKEVFEAQMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	577
Z16393	VDAKYAKEVEDAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	578
Z16394	VDAKYAKETESAYFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	579

FIGURE 1U

Z16395	VDAKYAKELEEAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	580
Z16396	VDAKYAKEVVTAYQEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	581
Z16397	VDAKYAKEVEAAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	582
Z16398	VDAKYAKEVEWAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	583
Z16399	VDAKYAKETEYAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	584
Z16400	VDAKYAKEVETAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	585
Z16401	VDAKYAKEVEFAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	586
Z16402	VDAKYAKEVEAAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	587
Z16403	VDAKYAKEVERAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	588
Z16404	VDAKYAKETVIAYFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	589
Z16405	VDAKYAKETEDAYFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	590
Z16406	VDAKYAKEADSAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	591
Z16407	VDAKYAKEVELAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	592
Z16409	VDAKYAKEVEQAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	593
Z16410	VDAKYAKEAVDAYYEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	594
Z16411	VDAKYAKELQEAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	595
Z16412	VDAKYAKEHVDAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	596
Z16413	VDAKYAKEVEHAYEEIYALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	597
Z16414	VDAKYAKEVVVAYHEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	598
Z16415	VDAKYAKEHWKAYLEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	599
Z16416	VDAKYAKEVYDAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	600
Z16417	VDAKYAKEVEAAYMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	601
Z16418	VDAKYAKEHLTAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	602
Z16419	VDAKYAKEVKDAYFEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	603
Z16420	VDAKYAKETEYAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	604
Z16421	VDAKYAKEIEDAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	605
Z16422	VDAKYAKELEEAYYEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	606
Z16423	VDAKYAKETENAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	607
Z16424	VDAKYAKEIESAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	608

FIGURE 1V

Z16425	VDAKYAKEVYIAQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	609
Z16426	VDAKYAKEVEEAYFEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	610
Z16427	VDAKYAKEAINAHHEIFLLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	611
Z16428	VDAKYAKEIEDAQMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	612
Z16429	VDAKYAKEAYEAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	613
Z16430	VDAKYAKEAEDAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	614
Z16431	VDAKYAKEVEQAYFEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	615
Z16432	VDAKYAKEIEEAQMEIYFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	616
Z16433	VDAKYAKETVSAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	617
Z16434	VDAKYAKETEEAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	618
Z16435	VDAKYAKEADRAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	619
Z16436	VDAKYAKETYKAQQEIYKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	620
Z16437	VDAKYAKEVEVAYWEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	621
Z16438	VDAKYAKELERAYYEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	622
Z16439	VDAKYAKEAIDAYWEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	623
Z16440	VDAKYAKEVESAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	624
Z16441	VDAKYAKEAENAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	625
Z16442	VDAKYAKEADAAYWEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	626
Z16443	VDAKYAKEATEAYMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	627
Z16444	VDAKYAKEVHDAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	628
Z16446	VDAKYAKELEFAYQEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	629
Z16447	VDAKYAKEHVAAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	630
Z16448	VDAKYAKEVEVAYMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	631
Z16449	VDAKYAKEVEQAYSEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	632
Z16450	VDAKYAKEAEVAYMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	633
Z16451	VDAKYAKEVEIAYYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	634
Z16452	VDAKYAKEVENAYYEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	635
Z16453	VDAKYAKEAYEAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	636
Z16454	VDAKYAKEADQAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	637

FIGURE 1W

Z16455	VDAKYAKELHHAYDEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	638
Z16456	VDAKYAKEVEEAYQEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	639
Z16457	VDAKYAKEVEAAYYEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	640
Z16458	VDAKYAKEVEIAQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	641
Z16459	VDAKYAKEVEEAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	642
Z16460	VDAKYAKETESAYWEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	643
Z16461	VDAKYAKEVERAYYEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	644
Z16462	VDAKYAKEAEEAYMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	645
Z16463	VDAKYAKEVERAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	646
Z16464	VDAKYAKETEQAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	647
Z16465	VDAKYAKEVERAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	648
Z16466	VDAKYAKEVEQAYFEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	649
Z16467	VDAKYAKEVQKAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	650
Z16468	VDAKYAKEVEAAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	651
Z16469	VDAKYAKEVEEAYFEIYALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	652
Z16470	VDAKYAKELEDAYMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	653
Z16471	VDAKYAKEVVDAYDEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	654
Z16472	VDAKYAKEVVDAYDEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	655
Z16473	VDAKYAKEVEDAYEEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	656
Z16474	VDAKYAKEAEEAYWEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	657
Z16475	VDAKYAKEVEVAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	658
Z16476	VDAKYAKEVEVAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	659
Z16477	VDAKYAKELEAAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	660
Z16478	VDAKYAKEVEEAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	661
Z16479	VDAKYAKEVEQAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	662
Z16480	VDAKYAKEVHDAYEEIFILPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	663
Z16481	VDAKYAKEVEVAYMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	664
Z16482	VDAKYAKEAEHAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	665
Z16483	VDAKYAKEIEVAQMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	666

FIGURE 1X

Z16484	VDAKYAKEAEDAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	667
Z16485	VDAKYAKEVEHAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	668
Z16486	VDAKYAKETENAYFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	669
Z16487	VDAKYAKEVEQAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	670
Z16488	VDAKYAKEAEDAYMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	671
Z16489	VDAKYAKEVEDAYEEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	672
Z16490	VDAKYAKELESAYFEIYGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	673
Z16491	VDAKYAKEVVTAYYEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	674
Z16492	VDAKYAKEQEDAYWEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	675
Z16493	VDAKYAKEVQAAYFEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	676
Z16494	VDAKYAKEAVNAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	677
Z16495	VDAKYAKEVEHAQMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	678
Z16496	VDAKYAKEVEAAYFEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	679
Z16497	VDAKYAKEIEIAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	680
Z16498	VDAKYAKELENAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	681
Z16499	VDAKYAKEVEAAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	682
Z16500	VDAKYAKELEWAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	683
Z16501	VDAKYAKEADDAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	684
Z16502	VDAKYAKEVELAQMEIFKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	685
Z16503	VDAKYAKEIHEAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	686
Z16505	VDAKYAKEVEYAYFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	687
Z16506	VDAKYAKEAYTAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	688
Z16507	VDAKYAKEAENAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	689
Z16509	VDAKYAKEVERAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	690
Z16510	VDAKYAKEIEEAQMEIFWLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	691
Z16511	VDAKYAKEIEDAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	692
Z16512	VDAKYAKEVVKAYYEIYELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	693
Z16513	VDAKYAKELENAYAEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	694
Z16514	VDAKYAKEQISAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	695

FIGURE 1Y

Z16515	VDAKYAKETEDAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	696
Z16516	VDAKYAKEVEDAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	697
Z16517	VDAKYAKEVEDAQYEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	698
Z16518	VDAKYAKEVERAQMEIFDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	699
Z16519	VDAKYAKEAHEAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	700
Z16520	VDAKYAKETYNAQQEIFNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	701
Z16521	VDAKYAKEVEDAQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	702
Z16522	VDAKYAKEIEKAQMEIFFLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	703
Z16523	VDAKYAKEIEKAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	704
Z16524	VDAKYAKEVELAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	705
Z16525	VDAKYAKEVEHAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	706
Z16526	VDAKYAKETESAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	707
Z16527	VDAKYAKEIEVAQLEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	708
Z16528	VDAKYAKEVETAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	709
Z16529	VDAKYAKELESAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	710
Z16530	VDAKYAKETEEAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	711
Z16531	VDAKYAKEVEVAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	712
Z16532	VDAKYAKEVIVAYEEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	713
Z16533	VDAKYAKEVETAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	714
Z16534	VDAKYAKEIEAAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	715
Z16535	VDAKYAKELEKAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	716
Z16536	VDAKYAKETESAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	717
Z16537	VDAKYAKELESAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	718
Z16538	VDAKYAKETEDAQMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	719
Z16539	VDAKYAKEIYVAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	720
Z16540	VDAKYAKETEQAQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	721
Z16541	VDAKYAKEAYKAQMEIFKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	722
Z16542	VDAKYAKEIEDAQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	723
Z16543	VDAKYAKEVEIAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	724

FIGURE 1Z

Z16544	VDAKYAKEVEFAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	725
Z16545	VDAKYAKEIERAQMEIYELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	726
Z16546	VDAKYAKEVDEAYMEIYNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	727
Z16547	VDAKYAKEVEEAQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	728
Z16548	VDAKYAKETHDAQMEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	729
Z16549	VDAKYAKETEDAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	730
Z16550	VDAKYAKETERAYYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	731
Z16551	VDAKYAKEVEDAQMEIYYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	732
Z16552	VDAKYAKEAEQAYFEIYELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	733
Z16554	VDAKYAKEVEEAQMEIFNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	734
Z16555	VDAKYAKEVEVAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	735
Z16556	VDAKYAKEIEQAQMEIYFLPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	736
Z16557	VDAKYAKEVEWAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	737
Z16558	VDAKYAKEVESAQMEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	738
Z16559	VDAKYAKEAEVAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	739
Z16560	VDAKYAKEIEKAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	740
Z16561	VDAKYAKEIEKAQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	741
Z16562	VDAKYAKETERAQMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	742
Z16563	VDAKYAKEVQDAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	743
Z16564	VDAKYAKEIEAAQMEIFVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	744
Z16565	VDAKYAKELQRAQMEIFELPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	745
Z16566	VDAKYAKELEEAQMEIFLLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	746
Z16567	VDAKYAKEIEHAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	747
Z16568	VDAKYAKEVYQAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	748
Z16569	VDAKYAKEIEAAQMEIFYLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	749
Z16570	VDAKYAKEAKDAQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	750
Z16572	VDAKYAKEVETAYMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	751
Z16573	VDAKYAKEVEAAQMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	752
Z16574	VDAKYAKEVEAAYWEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	753

FIGURE 1AA

Z16575	VDAKYAKEIEQAQMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	754
Z16576	VDAKYAKETEEAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	755
Z16577	VDAKYAKEVEWAQMEIFKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	756
Z16578	VDAKYAKEIEIAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	757
Z16579	VDAKYAKEAEAAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	758
Z16580	VDAKYAKEVVSAYEEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	759
Z16581	VDAKYAKETEDAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	760
Z16582	VDAKYAKEVEFAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	761
Z16583	VDAKYAKEVQNAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	762
Z16584	VDAKYAKEAQRAYMEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	763
Z16585	VDAKYAKEIEDAQMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	764
Z16586	VDAKYAKEVEYAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	765
Z16587	VDAKYAKEAEDAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	766
Z16588	VDAKYAKEVESAQMEIFDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	767
Z16589	VDAKYAKEVDVAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	768
Z16590	VDAKYAKEVEDAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	769
Z16591	VDAKYAKEVEAAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	770
Z16592	VDAKYAKEVEDAYFEIYLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	771
Z16593	VDAKYAKEVEKAQMEIFTLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	772
Z16594	VDAKYAKELEKAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	773
Z16595	VDAKYAKEVEAAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	774
Z16596	VDAKYAKEIREAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	775
Z16597	VDAKYAKEVENAQMEIYNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	776
Z16598	VDAKYAKEVEDAQMEIYDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	777
Z16599	VDAKYAKEVEVAQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	778
Z16600	VDAKYAKEVEHAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	779
Z16601	VDAKYAKEAETAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	780
Z16602	VDAKYAKEIEQAQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	781
Z16603	VDAKYAKEVEAAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	782

FIGURE 1AB

Z16604	VDAKYAKEVHEAQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	783
Z16605	VDAKYAKEVEHAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	784
Z16606	VDAKYAKEIEKAQMEIFDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	785
Z16607	VDAKYAKETEAAQMEIYNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	786
Z16608	VDAKYAKEVHEAQMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	787
Z16609	VDAKYAKEIQDAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	788
Z16610	VDAKYAKEVEQAQMEIFLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	789
Z16611	VDAKYAKETEIAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	790
Z16612	VDAKYAKEIEEAQLEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	791
Z16613	VDAKYAKELERAQMEIFVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	792
Z16614	VDAKYAKETEIAQMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	793
Z16615	VDAKYAKEAEDAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	794
Z16616	VDAKYAKEVEQAQLEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	795
Z16617	VDAKYAKEIEFAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	796
Z16618	VDAKYAKEIEEAQMEIFFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	797
Z16619	VDAKYAKETYHAQMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	798
Z16620	VDAKYAKEAEQAYHEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	799
Z16621	VDAKYAKETETAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	800
Z16622	VDAKYAKEAEEAYQEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	801
Z16623	VDAKYAKETEVAQMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	802
Z16624	VDAKYAKEVEIAQMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	803
Z16625	VDAKYAKELERAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	804
Z16626	VDAKYAKEVYAAYDEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	805
Z16627	VDAKYAKEAEFAQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	806
Z16628	VDAKYAKEVQAAYYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	807
Z16629	VDAKYAKEVYNAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	808
Z16630	VDAKYAKEAEIAQMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	809
Z16631	VDAKYAKEVEVAQMEIFDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	810
Z16632	VDAKYAKEVEQAQMEIYYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	811

FIGURE 1AC

Z16633	VDAKYAKEVENAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	812
Z16634	VDAKYAKEVEIAYIEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	813
Z16635	VDAKYAKEVEVAQFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	814
Z16636	VDAKYAKEIERAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	815
Z16637	VDAKYAKEIEDAQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	816
Z16638	VDAKYAKEIENAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	817
Z16639	VDAKYAKELEAAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	818
Z16640	VDAKYAKEIERAQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	819
Z16641	VDAKYAKETYRAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	820
Z16642	VDAKYAKEVEEAQMEIYSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	821
Z16643	VDAKYAKEVEKAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	822
Z16644	VDAKYAKEAHAAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	823
Z16645	VDAKYAKEIERAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	824
Z16646	VDAKYAKELEAAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	825
Z16647	VDAKYAKEVEVAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	826
Z16648	VDAKYAKEAEWAYMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	827
Z16649	VDAKYAKETEYAQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	828
Z16650	VDAKYAKEVEDAQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	829
Z16652	VDAKYAKEIEEAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	830
Z16653	VDAKYAKEVERAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	831
Z16654	VDAKYAKEAEAAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	832
Z16655	VDAKYAKETEEAQMEIYRLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	833
Z16656	VDAKYAKETEDAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	834
Z16657	VDAKYAKEIKQAQMEIYSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	835
Z16658	VDAKYAKEVEEAQMEIYNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	836
Z16659	VDAKYAKETEQAQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	837
Z16660	VDAKYAKEIEDAQMEIYYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	838
Z16661	VDAKYAKESEQAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	839
Z16662	VDAKYAKEVEVAQMEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	840

FIGURE 1AD

Z16663	VDAKYAKEIERAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	841
Z16664	VDAKYAKEAEQAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	842
Z16665	VDAKYAKELEYAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	843
Z16666	VDAKYAKEVEFAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	844
Z16667	VDAKYAKETEEAQMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	845
Z16668	VDAKYAKETYNAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	846
Z16669	VDAKYAKEISVAQFEIYHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	847
Z16671	VDAKYAKEIKAAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	848
Z16672	VDAKYAKEVEYAYQEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	849
Z16675	VDAKYAKEVEIAQMEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	850
Z16676	VDAKYAKEIDDAYLEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	851
Z16677	VDAKYAKEAYIAQQEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	852
Z16678	VDAKYAKEVEVAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	853
Z16679	VDAKYAKEVVTAQMEIFFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	854
Z16680	VDAKYAKEVVIAQHEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	855
Z16681	VDAKYAKEVEYAYYEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	856
Z16682	VDAKYAKEAEAAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	857
Z16683	VDAKYAKELEKAYYEIYELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	858
Z16684	VDAKYAKETHNAYQEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	859
Z16685	VDAKYAKEVIEAYEEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	860
Z16686	VDAKYAKEVEAAYFEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	861
Z16687	VDAKYAKEAEDAYHEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	862
Z16688	VDAKYAKEVKDAQFEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	863
Z16689	VDAKYAKEADFAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	864
Z16690	VDAKYAKEVQDAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	865
Z16691	VDAKYAKEAVQAYHEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	866
Z16692	VDAKYAKEATEAYDEIYLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	867
Z16693	VDAKYAKEATEAYMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	868
Z16694	VDAKYAKETESAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	869

FIGURE 1AE

Z16695	VDAKYAKEAEKAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	870
Z16696	VDAKYAKEVETAQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	871
Z16697	VDAKYAKELYSAQMEIYGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	872
Z16699	VDAKYAKEAEEAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	873
Z16700	VDAKYAKEAQEAYDEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	874
Z16701	VDAKYAKEHVEAYYEIYNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	875
Z16702	VDAKYAKETEQAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	876
Z16703	VDAKYAKEVEQAQMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	877
Z16704	VDAKYAKEATSAYFEIYALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	878
Z16705	VDAKYAKELEAAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	879
Z16706	VDAKYAKEAEDAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	880
Z16708	VDAKYAKEAESAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	881
Z16709	VDAKYAKELEAAYFEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	882
Z16710	VDAKYAKEAEYAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	883
Z16711	VDAKYAKETHSAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	884
Z16712	VDAKYAKETERAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	885
Z16713	VDAKYAKEAYSAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	886
Z16714	VDAKYAKEIEDAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	887
Z16715	VDAKYAKEVYSAQLEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	888
Z16716	VDAKYAKEVEQAYYEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	889
Z16717	VDAKYAKEIEEAYMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	890
Z16718	VDAKYAKEIEKAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	891
Z16719	VDAKYAKEAVVAYSEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	892
Z16720	VDAKYAKEIEVAYSEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	893
Z16721	VDAKYAKEVDEAYMEIYELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	894
Z16722	VDAKYAKEIEHAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	895
Z16723	VDAKYAKELSDAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	896
Z16724	VDAKYAKEVEEAQMEIFVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	897
Z16725	VDAKYAKELEEAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	898

FIGURE 1AF

Z16726	VDAKYAKEVELAYFEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	899
Z16727	VDAKYAKETVSAYWEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	900
Z16728	VDAKYAKEIKEAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	901
Z16729	VDAKYAKELEEAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	902
Z16730	VDAKYAKEIEDAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	903
Z16731	VDAKYAKEVEIAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	904
Z16732	VDAKYAKEAESAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	905
Z16733	VDAKYAKEVEAAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	906
Z16734	VDAKYAKEAVDAYWEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	907
Z16735	VDAKYAKEVEIAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	908
Z16736	VDAKYAKEVINAYFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	909
Z16737	VDAKYAKEVEEAYMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	910
Z16738	VDAKYAKEVEAAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	911
Z16739	VDAKYAKEVEDAYFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	912
Z16740	VDAKYAKEIEDAYMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	913
Z16741	VDAKYAKEVEDAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	914
Z16742	VDAKYAKEVEDAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	915
Z16743	VDAKYAKEQESAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	916
Z16745	VDAKYAKETEEAYQEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	917
Z16746	VDAKYAKEELEAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	918
Z16747	VDAKYAKEVQDAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	919
Z16748	VDAKYAKEVENAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	920
Z16749	VDAKYAKEVEAAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	921
Z16750	VDAKYAKEVEHAYFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	922
Z16751	VDAKYAKEVHEAYMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	923
Z16752	VDAKYAKEVEQAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	924
Z16753	VDAKYAKEVVDAYYEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	925
Z16754	VDAKYAKEAQIAYFEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	926
Z16755	VDAKYAKEVEFAYYEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	927

FIGURE 1AG

Z16756	VDAKYAKEVVEAYYEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	928
Z16757	VDAKYAKEIEEAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	929
Z16758	VDAKYAKEVQTAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	930
Z16759	VDAKYAKEAEYAYFEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	931
Z16760	VDAKYAKEAYIAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	932
Z16761	VDAKYAKEAERAYWEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	933
Z16762	VDAKYAKETHDAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	934
Z16763	VDAKYAKELEDAYYEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	935
Z16764	VDAKYAKEVEDAYQEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	936
Z16765	VDAKYAKEAHNAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	937
Z16766	VDAKYAKEVEDAYFEIYWLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	938
Z16767	VDAKYAKEVTEAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	939
Z16768	VDAKYAKEVEKAYEEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	940
Z16769	VDAKYAKEVDYAYFEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	941
Z16770	VDAKYAKETEAAYFEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	942
Z16771	VDAKYAKEVEVAYMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	943
Z16772	VDAKYAKEVEQAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	944
Z16773	VDAKYAKEVEYAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	945
Z16774	VDAKYAKEAEVAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	946
Z16775	VDAKYAKEVEIAYYEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	947
Z16776	VDAKYAKEVIQAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	948
Z16777	VDAKYAKEAEDAYWEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	949
Z16778	VDAKYAKEVTEAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	950
Z16779	VDAKYAKEVEEAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	951
Z16780	VDAKYAKEVQEAYFEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	952
Z16781	VDAKYAKEVVEAYEEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	953
Z16782	VDAKYAKEVQVAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	954
Z16783	VDAKYAKEVEDAYIEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	955
Z16784	VDAKYAKEVEAAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	956

FIGURE 1AH

Z16785	VDAKYAKEVEIAYDEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	957
Z16786	VDAKYAKEHEEAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	958
Z16787	VDAKYAKEVYLAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	959
Z16788	VDAKYAKETEKAQMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	960
Z16789	VDAKYAKELEEAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	961
Z16790	VDAKYAKEVYEAYDEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	962
Z16791	VDAKYAKETIEAYEEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	963
Z16792	VDAKYAKEHIEAYDEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	964
Z16793	VDAKYAKEAQLAYWEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	965
Z16794	VDAKYAKEVFDAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	966
Z16795	VDAKYAKEIEEAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	967
Z16796	VDAKYAKEVEKAYFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	968
Z16797	VDAKYAKEVEVAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	969
Z16798	VDAKYAKEVEYAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	970
Z16799	VDAKYAKEVIAAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	971
Z16800	VDAKYAKEVVDAYMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	972
Z16801	VDAKYAKEAETAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	973
Z16802	VDAKYAKEVEEAQMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	974
Z16803	VDAKYAKEAEAAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	975
Z16804	VDAKYAKEVEAAQMEIFDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	976
Z16805	VDAKYAKELEWAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	977
Z16806	VDAKYAKEQKQAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	978
Z16808	VDAKYAKEAEDAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	979
Z16809	VDAKYAKEQHEAYWEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	980
Z16810	VDAKYAKEVEDAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	981
Z16811	VDAKYAKEVDHAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	982
Z16812	VDAKYAKEAIEAYDEIFLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	983
Z16813	VDAKYAKEVVEAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	984
Z16814	VDAKYAKETEDAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	985

FIGURE 1AI

Z16815	VDAKYAKEVIDAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	986
Z16816	VDAKYAKEAIDAYHEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	987
Z16817	VDAKYAKETHDAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	988
Z16818	VDAKYAKEIESAYMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	989
Z16819	VDAKYAKEIEKAYMEIYHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	990
Z16820	VDAKYAKEAEDAYQEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	991
Z16821	VDAKYAKEVEEAYMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	992
Z16822	VDAKYAKEVEDAQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	993
Z16823	VDAKYAKEVENAQYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	994
Z16824	VDAKYAKEVEVAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	995
Z16825	VDAKYAKESEQAYWEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	996
Z16826	VDAKYAKETVDAYEEIFTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	997
Z16827	VDAKYAKEIEEAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	998
Z16829	VDAKYAKEVVVAYEEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	999
Z16830	VDAKYAKEAVNAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1000
Z16831	VDAKYAKESEKAYMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1001
Z16832	VDAKYAKEVEEAYFEIYLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1002
Z16833	VDAKYAKEIEAAQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1003
Z16834	VDAKYAKEQEKAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1004
Z16835	VDAKYAKEVEIAYYEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1005
Z16836	VDAKYAKEVYAAYEEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1006
Z16837	VDAKYAKEVESAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1007
Z16838	VDAKYAKELEVAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1008
Z16839	VDAKYAKETINAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1009
Z16840	VDAKYAKEAETAYWEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1010
Z16852	VDAKYAKETEAAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1011
Z16853	VDAKYAKELQKAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1012
Z16854	VDAKYAKELEVAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1013
Z16855	VDAKYAKEVEYAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1014

FIGURE 1AJ

Z16856	VDAKYAKETEEAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1015
Z16857	VDAKYAKELESAYMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1016
Z16858	VDAKYAKEVEVAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1017
Z16859	VDAKYAKEVEDAYMEIYELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1018
Z16860	VDAKYAKEHVDAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1019
Z16861	VDAKYAKEHERAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1020
Z16862	VDAKYAKEATEAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1021
Z16863	VDAKYAKEVYKAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1022
Z16864	VDAKYAKEVERAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1023
Z16865	VDAKYAKELEHAQLEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1024
Z16866	VDAKYAKEAQAAYDEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1025
Z16867	VDAKYAKEVEEAQMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1026
Z16868	VDAKYAKEVEEAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1027
Z16869	VDAKYAKEVEHAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1028
Z16870	VDAKYAKEVESAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1029
Z16871	VDAKYAKEVEKAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1030
Z16873	VDAKYAKEVDEAYMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1031
Z16874	VDAKYAKETEEAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1032
Z16875	VDAKYAKEAEAAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1033
Z16876	VDAKYAKELEDAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1034
Z16877	VDAKYAKEVEVAYEEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1035
Z16878	VDAKYAKEAVEAYWEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1036
Z16879	VDAKYAKELEEAYMEIYFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1037
Z16880	VDAKYAKEVENAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1038
Z16881	VDAKYAKETVKAYEEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1039
Z16882	VDAKYAKELEKAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1040
Z16883	VDAKYAKETEKAQLEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1041
Z16884	VDAKYAKEVELAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1042
Z16886	VDAKYAKEAENAYWEIYELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1043

FIGURE 1AK

Z16887	VDAKYAKEVIQAYWEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1044
Z16888	VDAKYAKEAEYAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1045
Z16889	VDAKYAKEVESAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1046
Z16890	VDAKYAKETEDAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1047
Z16891	VDAKYAKEVDAAYFEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1048
Z16892	VDAKYAKEAEDAYFEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1049
Z16893	VDAKYAKELEDAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1050
Z16894	VDAKYAKEVEAAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1051
Z16895	VDAKYAKEVEFAYYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1052
Z16896	VDAKYAKEVVSAYWEIYALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1053
Z16897	VDAKYAKETEKAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1054
Z16898	VDAKYAKEAEYAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1055
Z16899	VDAKYAKEVESAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1056
Z16900	VDAKYAKEVEVAYMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1057
Z16901	VDAKYAKEIEFAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1058
Z16902	VDAKYAKEVVEAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1059
Z16903	VDAKYAKEIEAAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1060
Z16904	VDAKYAKEVEDAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1061
Z16905	VDAKYAKEIEEAQMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1062
Z16906	VDAKYAKETLDAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1063
Z16907	VDAKYAKETQEAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1064
Z16908	VDAKYAKEVEEAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1065
Z16909	VDAKYAKEVEDAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1066
Z16910	VDAKYAKEVESAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1067
Z16911	VDAKYAKEIEDAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1068
Z16912	VDAKYAKEVEAAQMEIFFLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1069
Z16913	VDAKYAKEVEEAQLEIFALPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	1070
Z16914	VDAKYAKETEDAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1071
Z16915	VDAKYAKEIEIAQMEIFRLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1072

FIGURE 1AL

Z16916	VDAKYAKEVEIAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1073
Z16917	VDAKYAKEIEIAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1074
Z16918	VDAKYAKETEAAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1075
Z17171	VDAKYAKEIEDAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1076
Z17173	VDAKYAKEVEHAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1077
Z17174	VDAKYAKEVVSAQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1078
Z17175	VDAKYAKELDEAYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1079
Z17176	VDAKYAKEVEHAQLEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1080
Z17177	VDAKYAKEAYKAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1081
Z17178	VDAKYAKEIELAQMEIFFLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1082
Z17179	VDAKYAKEVEHAQMEIFTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1083
Z17180	VDAKYAKEVKIAQMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1084
Z17181	VDAKYAKEAEDAYQEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1085
Z17182	VDAKYAKEAENAYDEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1086
Z17183	VDAKYAKEIEAAQIEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1087
Z17184	VDAKYAKEVVDAQQEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1088
Z17185	VDAKYAKEIEWAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1089
Z17186	VDAKYAKEIEDAQMEIYELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1090
Z17187	VDAKYAKEAEKAQIEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1091
Z17188	VDAKYAKEAEWAQMEIYSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1092
Z17189	VDAKYAKEVEAAYMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1093
Z17190	VDAKYAKEVEIAQMEIYSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1094
Z17191	VDAKYAKEIKAAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1095
Z17192	VDAKYAKEVEYAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1096
Z17193	VDAKYAKEVYAAQQEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1097
Z17194	VDAKYAKEAEQAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1098
Z17195	VDAKYAKEVDVAYQEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1099
Z17196	VDAKYAKEVYHAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1100
Z17197	VDAKYAKEAEDAQMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1101

FIGURE 1AM

Z17198	VDAKYAKEVQEAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1102
Z17199	VDAKYAKEHEFAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1103
Z17200	VDAKYAKEAEEAYVEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1104
Z17201	VDAKYAKEIEKAQFEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1105
Z17202	VDAKYAKEVYKAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1106
Z17203	VDAKYAKEVEKAQMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1107
Z17204	VDAKYAKEVEAAQLEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1108
Z17205	VDAKYAKETYQAQMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1109
Z17206	VDAKYAKELEDAYQEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1110
Z17207	VDAKYAKEVEEAQLEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1111
Z17208	VDAKYAKEIYLAQMEIFKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1112
Z17209	VDAKYAKEIEEAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1113
Z17210	VDAKYAKETEQAYMEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1114
Z17211	VDAKYAKEAEAAYYEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1115
Z17212	VDAKYAKETEAAYDEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1116
Z17213	VDAKYAKEVEEAYFEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1117
Z17214	VDAKYAKEVVKAYFEIYHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1118
Z17215	VDAKYAKEVYEAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1119
Z17216	VDAKYAKEVEDAYIEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1120
Z17217	VDAKYAKEVEWAQMEIFNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1121
Z17218	VDAKYAKELEKAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1122
Z17219	VDAKYAKETEEAYQEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1123
Z17220	VDAKYAKEAEDAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1124
Z17221	VDAKYAKEIEEAQLEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1125
Z17222	VDAKYAKEVEDAYHEIFLLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1126
Z17223	VDAKYAKEVEYAYHEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1127
Z17224	VDAKYAKETVEAQMEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1128
Z17225	VDAKYAKEVEDAYMEIYFLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1129
Z17226	VDAKYAKETETAQMEIYNLPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	1130

FIGURE 1AN

Z17227	VDAKYAKEVEIAQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1131
Z17228	VDAKYAKEVHLAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1132
Z17229	VDAKYAKEVEYAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1133
Z17230	VDAKYAKEAEEAQHEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1134
Z17231	VDAKYAKEAYVAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1135
Z17232	VDAKYAKEVQKAQMEIFELPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1136
Z17233	VDAKYAKEAYAAQHEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1137
Z17234	VDAKYAKEVERAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1138
Z17235	VDAKYAKEVEAAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1139
Z17236	VDAKYAKELENAQMEIFTLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1140
Z17237	VDAKYAKELEYAQQEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1141
Z17238	VDAKYAKEQLNAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1142
Z17240	VDAKYAKEVIAAYYEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1143
Z17241	VDAKYAKEVVDAYWEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1144
Z17242	VDAKYAKEVEEAYQEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1145
Z17243	VDAKYAKEAEDAYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1146
Z17244	VDAKYAKEVEDAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1147
Z17245	VDAKYAKEVEVAYYEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1148
Z17246	VDAKYAKELEDAYMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1149
Z17247	VDAKYAKEVDEAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1150
Z17248	VDAKYAKEAEWAYWEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1151
Z17249	VDAKYAKEVEVAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1152
Z17250	VDAKYAKETERAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1153
Z17251	VDAKYAKEHIAAYFEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1154
Z17252	VDAKYAKEVEEAYYEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1155
Z17253	VDAKYAKEVEDAYQEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1156
Z17254	VDAKYAKETVEAYYEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1157
Z17255	VDAKYAKEVEQAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1158
Z17256	VDAKYAKEVVEAYDEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1159

FIGURE 1AO

Z17257	VDAKYAKEVEEAYMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1160
Z17258	VDAKYAKEVDDAYMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1161
Z17259	VDAKYAKEVQDAYMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1162
Z17260	VDAKYAKEAQQAYDEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1163
Z17261	VDAKYAKEVEFAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1164
Z17262	VDAKYAKEVEIAYFEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1165
Z17263	VDAKYAKETEKAYFEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1166
Z17264	VDAKYAKEVTNAYMEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1167
Z17266	VDAKYAKETEAAYFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1168
Z17267	VDAKYAKEVETAYMEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1169
Z17268	VDAKYAKEAEDAYMEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1170
Z17269	VDAKYAKEVEEAYQEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1171
Z17270	VDAKYAKETEEAYFEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1172
Z17271	VDAKYAKEAISAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1173
Z17272	VDAKYAKEVEEAYQEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1174
Z17273	VDAKYAKEVVYAQHEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1175
Z17274	VDAKYAKEIEVAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1176
Z17275	VDAKYAKEVEYAYYEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1177
Z17276	VDAKYAKEVEQAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1178
Z17277	VDAKYAKEVEDAYDEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1179
Z17278	VDAKYAKEIERAYYEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1180
Z17279	VDAKYAKEVEDAYFEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1181
Z17280	VDAKYAKEVEQAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1182
Z17281	VDAKYAKEVEEAYQEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1183
Z17282	VDAKYAKEAEHAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1184
Z17283	VDAKYAKEVEKAYYEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1185
Z17284	VDAKYAKEVEEAYMEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1186
Z17285	VDAKYAKEIEDAYQEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1187
Z17286	VDAKYAKEVENAYYEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1188

FIGURE 1AP

Z17287	VDAKYAKEATEAYWEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1189
Z17288	VDAKYAKEADAAYFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1190
Z17289	VDAKYAKEVINAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1191
Z17290	VDAKYAKEAVDAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1192
Z17291	VDAKYAKEVEEAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1193
Z17292	VDAKYAKEVEYAYFEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1194
Z17293	VDAKYAKEAEKAYYEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1195
Z17294	VDAKYAKETIDAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1196
Z17295	VDAKYAKEVEVAYAEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1197
Z17296	VDAKYAKEVETAYFEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1198
Z17297	VDAKYAKEAYIAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1199
Z17298	VDAKYAKEVEEAYFEIYNLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1200
Z17299	VDAKYAKESEAAYWEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1201
Z17300	VDAKYAKEAEDAYWEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1202
Z17301	VDAKYAKEVDAAYWEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1203
Z17302	VDAKYAKETVDAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1204
Z18557	VDAKYAKEIEAVQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1205
Z15876	VDAKYAKEIEAAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1206
Z15932	VDAKYAKEVEEAQMEIFILPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1207
Z15934	VDAKYAKEVTVAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1208
Z15975	VDAKYAKEVETAQMEIFVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1209
Z19134	VDAKYAKEAEDAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1210
Z19125	VDAKYAKEAIEAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1211
Z19136	VDAKYAKEVVAAYYEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1212
Z19127	VDAKYAKEVVSAYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1213
Z19138	VDAKYAKEIEIAYMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1214
Z19101	VDAKYAKELDVAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1215
Z19095	VDAKYAKEAEVAYMEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1216
Z19121	VDAKYAKELERAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1217

FIGURE 1AQ

Z19122	VDAKYAKEAEIAYYEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1218
Z19120	VDAKYAKETEVAYYEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1219
Z19139	VDAKYAKEVEAAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1220
Z19058	VDAKYAKEVEIAYMEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1221
Z19124	VDAKYAKEVEVAYFEIYNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1222
Z19131	VDAKYAKEHEEAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1223
Z19103	VDAKYAKELERAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1224
Z19088	VDAKYAKEVEHAYMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1225
Z19077	VDAKYAKEVQEAYMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1226
Z19111	VDAKYAKEVKIAQMEIFNLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1227
Z19060	VDAKYAKEVEWAQMEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1228
Z19112	VDAKYAKEAHSAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1229
Z19133	VDAKYAKEAERAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1230
Z19094	VDAKYAKETEAAQMEIYKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1231
Z19093	VDAKYAKELEQAQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1232
Z19069	VDAKYAKEVESAQMEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1233
Z19067	VDAKYAKEVEDAQMEIYQLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1234
Z19183	VDAKYAKEIEDAQMEIYDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1235
Z19079	VDAKYAKEVEQAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1236
Z19102	VDAKYAKEVEHAQMEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1237
Z19110	VDAKYAKEVEKAQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1238
Z19087	VDAKYAKEIEDAQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1239
Z19059	VDAKYAKEVEEAQMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1240
Z19123	VDAKYAKEIEKAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1241
Z19128	VDAKYAKETYVAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1242
Z19137	VDAKYAKEVEIAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1243
Z19068	VDAKYAKEVKVAQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1244
Z19086	VDAKYAKEVEYAQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1245
Z19076	VDAKYAKEVETAQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1246

FIGURE 1AR

Z19135	VDAKYAKEVEAAQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1247
Z19078	VDAKYAKEIEAAQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1248
Z19066	VDAKYAKETEAAQMEIYALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1249
Z18906	VDAKYAKEIETIQHEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1250
Z18912	VDAKYAKETEEIQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1251
Z18754	VDAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1252
Z18767	VDAKYAKEVEEVYFEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1253
Z19174	VDAKYAKETYEVQMEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1254
Z18802	VDAKYAKEAERVQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1255
Z18792	VDAKYAKEAEAIQMEIYDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1256
Z18783	VDAKYAKETEVIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1257
Z18753	VDAKYAKETEAIQMEIFQLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1258
Z18795	VDAKYAKETEAIQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1259
Z18929	VDAKYAKETEAVQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1260
Z19305	VDAKYAKETEAVQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1261
Z19303	VDAKYAKETEAVQMEIFTLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1262
Z18899	VDAKYAKETEAIQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1263
Z18824	VDAKYAKETEAVQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1264
Z18860	VDAKYAKETEEIQMEIFLLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1265
Z18864	VDAKYAKETERVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1266
Z18778	VDAKYAKETERVQMEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1267
Z18798	VDAKYAKETEEIQMEIFQLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1268
Z18821	VDAKYAKETEEVQMEIFKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1269
Z18920	VDAKYAKETEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1270
Z18806	VDAKYAKETEEIQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1271
Z18966	VDAKYAKETEEVQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1272
Z19304	VDAKYAKETEQVQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1273
Z18766	VDAKYAKETEQVQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1274
Z18825	VDAKYAKETEKVQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1275

FIGURE 1AS

Z18819	VDAKYAKETEEVQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1276
Z18822	VDAKYAKETEEIQMEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1277
Z18810	VDAKYAKETEEVQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1278
Z18892	VDAKYAKETEAVQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1279
Z18854	VDAKYAKETEVVQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1280
Z18758	VDAKYAKETEVVQMEIFGLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1281
Z18823	VDAKYAKETEEVQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1282
Z18958	VDAKYAKETEEIQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1283
Z18770	VDAKYAKETERVQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1284
Z18898	VDAKYAKELEAIQMEIFYLPNLTRRQYVAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1285
Z18876	VDAKYAKEIEEIQMEIFYLPNLTRRQYVAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1286
Z18840	VDAKYAKELEKVQMEIFVLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1287
Z18900	VDAKYAKELERIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1288
Z18775	VDAKYAKELEKVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1289
Z18952	VDAKYAKEVEQIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1290
Z18851	VDAKYAKEIEQIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1291
Z19152	VDAKYAKEIEQVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1292
Z18765	VDAKYAKEIEQIQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1293
Z18885	VDAKYAKEVEEIQMEIFYLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1294
Z18830	VDAKYAKEVEEIQMEIFFLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1295
Z18828	VDAKYAKEVEEIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1296
Z18833	VDAKYAKEVEEVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1297
Z18853	VDAKYAKEIEEIQMEIFYLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1298
Z18849	VDAKYAKEIEEVQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1299
Z18902	VDAKYAKELEEIQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1300
Z18877	VDAKYAKEVEEIQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1301
Z18878	VDAKYAKEVEEVQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1302
Z18909	VDAKYAKEIEEIQMEIFFLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1303
Z18848	VDAKYAKEIEEIQMEIFFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1304

FIGURE 1AT

Z19166	VDAKYAKELEEVQMEIYFLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1305
Z18873	VDAKYAKELEEVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1306
Z19147	VDAKYAKELEEIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1307
Z18831	VDAKYAKEIEEVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1308
Z18843	VDAKYAKEIEEIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1309
Z19153	VDAKYAKEIEEIQMEIFDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1310
Z18882	VDAKYAKEVEEVQMEIFDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1311
Z18894	VDAKYAKEVEEIQMEIFDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1312
Z18940	VDAKYAKELERIQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1313
Z18759	VDAKYAKEIEKVQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1314
Z18855	VDAKYAKELEKVQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1315
Z18837	VDAKYAKELEKVQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1316
Z18788	VDAKYAKEVEKIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1317
Z18827	VDAKYAKETEKVQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1318
Z18761	VDAKYAKEIEEVQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1319
Z18786	VDAKYAKELEEVQMEIFRLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1320
Z18757	VDAKYAKEIEEIQMEIFRLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1321
Z18858	VDAKYAKEIEEIQMEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1322
Z18785	VDAKYAKELEEIQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1323
Z18866	VDAKYAKEIEEIQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1324
Z19145	VDAKYAKELETVQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1325
Z18777	VDAKYAKEIEQVQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1326
Z18803	VDAKYAKEIEQIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1327
Z18800	VDAKYAKEIEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1328
Z18804	VDAKYAKELEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1329
Z18856	VDAKYAKELEEIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1330
Z18846	VDAKYAKEIEEIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1331
Z18871	VDAKYAKEVEEIQMEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1332
Z18782	VDAKYAKEVEEVQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1333

FIGURE 1AU

Z19170	VDAKYAKEVEEIQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1334
Z18949	VDAKYAKEVEQVQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1335
Z18852	VDAKYAKEVEQIQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1336
Z18838	VDAKYAKEVEEIQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1337
Z18928	VDAKYAKEVEEVQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1338
Z18769	VDAKYAKEVEEVQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1339
Z18832	VDAKYAKEVEEIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1340
Z18771	VDAKYAKEVEEIQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1341
Z18808	VDAKYAKEVEEVQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1342
Z18817	VDAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1343
Z18889	VDAKYAKEVEEVQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1344
Z18930	VDAKYAKEVERIQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1345
Z18812	VDAKYAKEVEKIQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1346
Z18809	VDAKYAKEIETVQMEIFSLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1347
Z18768	VDAKYAKELETVQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1348
Z18844	VDAKYAKELEEIQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1349
Z18919	VDAKYAKEVEEIQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1350
Z18931	VDAKYAKELETVQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1351
Z18890	VDAKYAKELEKVQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1352
Z18893	VDAKYAKEIEEIQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1353
Z18796	VDAKYAKELEEVQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1354
Z18881	VDAKYAKEIEEIQMEIFGLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1355
Z18826	VDAKYAKEIEEIQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1356
Z18959	VDAKYAKEIEEVQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1357
Z18897	VDAKYAKEVEEIQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1358
Z18841	VDAKYAKEVEEIQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1359
Z18918	VDAKYAKEVEEVQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1360
Z18834	VDAKYAKEVEEIQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1361
Z18863	VDAKYAKEVEEVQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1362

FIGURE 1AV

Z18847	VDAKYAKETEEVQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1363
Z19159	VDAKYAKETEEVQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1364
Z18789	VDAKYAKEIEQIQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1365
Z18756	VDAKYAKEIEEVQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1366
Z18850	VDAKYAKEIEEIQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1367
Z18814	VDAKYAKEVEEIQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1368
Z18861	VDAKYAKEVEEVQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1369
Z18938	VDAKYAKEIEQIQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1370
Z18801	VDAKYAKEIEQVQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1371
Z18927	VDAKYAKEIEEIQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1372
Z18951	VDAKYAKEIEEVQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1373
Z19144	VDAKYAKEIEEVQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1374
Z18813	VDAKYAKEVEEIQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1375
Z18859	VDAKYAKETEIVQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1376
Z18797	VDAKYAKETEVVQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1377
Z18781	VDAKYAKETEIVQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1378
Z19160	VDAKYAKEIEIIQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1379
Z18891	VDAKYAKEIEYIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1380
Z18857	VDAKYAKEIEVVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1381
Z18816	VDAKYAKELEVIQMEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1382
Z18829	VDAKYAKEVEVIQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1383
Z18787	VDAKYAKEVEVIQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1384
Z18791	VDAKYAKEVEVVQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1385
Z18887	VDAKYAKEVEVIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1386
Z18773	VDAKYAKELEVIQMEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1387
Z18967	VDAKYAKEIEVVQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1388
Z18774	VDAKYAKEIEVIQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1389
Z18879	VDAKYAKEVEYIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1390
Z18868	VDAKYAKELEIVQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1391

FIGURE 1AW

Z18903	VDAKYAKELEIIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1392
Z19180	VDAKYAKEVEIIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1393
Z18901	VDAKYAKELEVIQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1394
Z18755	VDAKYAKELEVIQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1395
Z18883	VDAKYAKEVEIIQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1396
Z19164	VDAKYAKEVEIIQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1397
Z18845	VDAKYAKEVEVIQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1398
Z18965	VDAKYAKEVEVVQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1399
Z18807	VDAKYAKELEIVQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1400
Z18818	VDAKYAKEIEYIQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1401
Z19169	VDAKYAKEVEVIQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1402
Z18884	VDAKYAKEVEIIQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1403
Z18793	VDAKYAKEVETVQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1404
Z18811	VDAKYAKELETVQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1405
Z18880	VDAKYAKELEAIQMEIFTLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1406
Z19154	VDAKYAKEIEAIQMEIYYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1407
Z18869	VDAKYAKELEAIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1408
Z18941	VDAKYAKELEAVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1409
Z18872	VDAKYAKEIEAVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1410
Z18895	VDAKYAKEIEAIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1411
Z19165	VDAKYAKEIEAIQMEIFFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1412
Z18862	VDAKYAKEIEAIQMEIFFLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1413
Z18948	VDAKYAKEIEAIQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1414
Z18762	VDAKYAKELEAIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1415
Z18910	VDAKYAKEIEAIQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1416
Z18820	VDAKYAKELEAIQMEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1417
Z18776	VDAKYAKEVEAIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1418
Z19302	VDAKYAKEIEAVQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1419
Z18875	VDAKYAKEIEAIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1420

FIGURE 1AX

Z18874	VDAKYAKELEAIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1421
Z18888	VDAKYAKEVEAIQMEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1422
Z18799	VDAKYAKEVEAIQMEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1423
Z18794	VDAKYAKEVEAVQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1424
Z18939	VDAKYAKEIEAVQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1425
Z18815	VDAKYAKELEAIQMEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1426
Z18764	VDAKYAKEIEAVQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1427
Z18870	VDAKYAKEIEAIQMEIFGLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1428
Z18950	VDAKYAKEVEAIQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1429
Z18836	VDAKYAKEVEAIQMEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1430
Z18763	VDAKYAKEIEAVQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1431
Z18886	VDAKYAKEIEAIQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1432
Z18784	VDAKYAKETEAIQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1433
Z19146	VDAKYAKETEAVQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1434
Z18760	VDAKYAKETEAVQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1435
Z18896	VDAKYAKETEAIQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1436
Z18805	VDAKYAKEIEAVQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1437
Z18779	VDAKYAKEIEAIQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1438
Z18790	VDAKYAKEVEAVQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1439
Z18839	VDAKYAKEVEAVQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1440
Z18911	VDAKYAKEVEAIQMEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1441
Z19036	VDAKYAKEVVKIYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1442
Z19035	VDAKYAKEVIDVYFEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1443
Z19175	VDAKYAKEVVHIYFEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1444
Z19034	VDAKYAKEVVEVYFEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1445
Z19051	VDAKYAKEVVEIYFEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1446
Z19027	VDAKYAKEVVEVYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1447
Z19062	VDAKYAKEIERIYFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1448
Z19096	VDAKYAKEIEKIYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1449

FIGURE 1AY

Z19070	VDAKYAKEIEKVYFEIYDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1450
Z19030	VDAKYAKEVEKIYYEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1451
Z19050	VDAKYAKETEHVYFEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1452
Z19063	VDAKYAKETEKAYYEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1453
Z18960	VDAKYAKETERVYYEIYSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1454
Z19142	VDAKYAKETEIVYFEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1455
Z19055	VDAKYAKEVEFAYWEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1456
Z19065	VDAKYAKEVEVVYFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1457
Z19156	VDAKYAKEVESAYFEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1458
Z19116	VDAKYAKEVEAVYYEIYQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1459
Z19083	VDAKYAKEVEVAYYEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1460
Z19037	VDAKYAKEVEDVYFEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1461
Z18954	VDAKYAKEVETVYYEIFKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1462
Z19163	VDAKYAKEVEQVYFEIYFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1463
Z19092	VDAKYAKEVEEIYQEIYRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1464
Z19157	VDAKYAKEVEEIYFEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1465
Z18978	VDAKYAKELEAVQLEIFALPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	1466
Z19041	VDAKYAKEIEKIQLEIFALPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	1467
Z19113	VDAKYAKEVEEVQLEIFALPNLTRKQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	1468
Z18924	VDAKYAKEVEDVQLEIFALPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	1469
Z18996	VDAKYAKEIEQVQLEIYKLPNLTRKQYTAFIIKLFDDPSQSSELLSEAKKLNDSQAPK	1470
Z19143	VDAKYAKEVEEIQLEIFHLPNLTRRQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	1471
Z18968	VDAKYAKELEEVQLEIFRLPNLTRRQYTAFIIKLLDDPSQSSELLSEAKKLNDSQAPK	1472
Z19179	VDAKYAKEIEDVQHEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1473
Z19009	VDAKYAKEVEKVQQEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1474
Z19003	VDAKYAKEIEAIQHEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1475
Z18979	VDAKYAKEIEAIQHEIFVLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1476
Z18972	VDAKYAKEIERIQHEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1477
Z18935	VDAKYAKEIEVIQHEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1478

FIGURE 1AZ

Z18925	VDAKYAKETEDIQQEIFQLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1479
Z19098	VDAKYAKEVESIQQEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1480
Z19109	VDAKYAKEVERIQQEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1481
Z18923	VDAKYAKEIEEIQQEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1482
Z18942	VDAKYAKEVETIQHEIFRLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1483
Z19167	VDAKYAKETEVVQFEIFRLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1484
Z19017	VDAKYAKETEAVQLEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1485
Z19011	VDAKYAKETEDVQLEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1486
Z18905	VDAKYAKEAEKIQFEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1487
Z18913	VDAKYAKETEEIQLEIYSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1488
Z19115	VDAKYAKETEEIQLEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1489
Z18975	VDAKYAKETEKIQYEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1490
Z19045	VDAKYAKEIEQIQYEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1491
Z18998	VDAKYAKEIETVQYEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1492
Z18992	VDAKYAKEIEAVQYEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1493
Z18932	VDAKYAKELEHIQYEIFFLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1494
Z19052	VDAKYAKEVEEIQYEIFWLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1495
Z19042	VDAKYAKEVEEIQYEIFFLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1496
Z19029	VDAKYAKEVEEVQIEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1497
Z19005	VDAKYAKEVEDVQLEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1498
Z19149	VDAKYAKEIEEVQLEIFVLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1499
Z19168	VDAKYAKEIERIQMEIFYLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1500
Z19038	VDAKYAKELEQVQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1501
Z19148	VDAKYAKEVEEIQFEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1502
Z19028	VDAKYAKEIEEIQFEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1503
Z19155	VDAKYAKEIEEIQMEIFYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1504
Z19043	VDAKYAKEIEEIQMEIYYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1505
Z19141	VDAKYAKEVEEIQHEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1506
Z19016	VDAKYAKEIETIQLEIFDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1507

FIGURE 1BA

Z18991	VDAKYAKEIETVQYEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1508
Z18917	VDAKYAKEIEEIQFEIYDLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1509
Z18980	VDAKYAKEVEEIQLEIYDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1510
Z18947	VDAKYAKEVEEVQLEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1511
Z19023	VDAKYAKEIEEVQLEIFDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1512
Z18907	VDAKYAKEIEEIQIEIFDLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1513
Z18981	VDAKYAKEVESVQFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1514
Z19091	VDAKYAKEIESIQIEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1515
Z18943	VDAKYAKEIESIQLEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1516
Z19040	VDAKYAKEVEDIQLEIFDLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1517
Z19033	VDAKYAKEVEDIQYEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1518
Z18914	VDAKYAKEVEDIQLEIFELPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1519
Z19089	VDAKYAKEIEDIQYEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1520
Z18963	VDAKYAKEIEDIQLEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1521
Z19061	VDAKYAKEIEDIQLEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1522
Z19100	VDAKYAKEIEDIQIEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1523
Z18946	VDAKYAKEIEDVQIEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1524
Z19018	VDAKYAKEIEDIQLEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1525
Z19053	VDAKYAKEIEDVQLEIFKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1526
Z18990	VDAKYAKEVEKIQFEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1527
Z19054	VDAKYAKEIEWVQLEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1528
Z19008	VDAKYAKELERIQLEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1529
Z18953	VDAKYAKELEKIQLEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1530
Z18921	VDAKYAKEIEKVQIEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1531
Z18995	VDAKYAKEIEEIQLEIYHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1532
Z18922	VDAKYAKEIEEIQLEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1533
Z19108	VDAKYAKEIEEIQFEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1534
Z19007	VDAKYAKEIEEIQYEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1535
Z18916	VDAKYAKEIEEIQLEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1536

FIGURE 1BB

Z19105	VDAKYAKELEEIQLEIYKLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1537
Z19104	VDAKYAKELEEIQLEIYHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1538
Z18976	VDAKYAKEIEQVQLEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1539
Z19090	VDAKYAKEIEEVQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1540
Z19019	VDAKYAKEVEEIQIEIFKLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1541
Z18997	VDAKYAKEVEEVQLEIFKLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1542
Z18973	VDAKYAKEVEEIQVEIFQLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1543
Z19048	VDAKYAKEVEEVQLEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1544
Z19150	VDAKYAKEVEEIQLEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1545
Z19024	VDAKYAKEVEEVQIEIFQLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1546
Z18915	VDAKYAKEVEEVQIEIFELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1547
Z19099	VDAKYAKEVEEIQLEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1548
Z19181	VDAKYAKEVEEVQLEIYSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1549
Z19025	VDAKYAKEIEQIQLEIFSLPNLTRRQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1550
Z19172	VDAKYAKELEDVQLEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1551
Z19084	VDAKYAKEIEQIQMEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1552
Z18982	VDAKYAKEIEEVQLEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1553
Z19072	VDAKYAKEIEEIQLEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1554
Z18937	VDAKYAKEIEDIQVEIYGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1555
Z19049	VDAKYAKELETVQLEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1556
Z19080	VDAKYAKEIETIQLEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1557
Z19057	VDAKYAKEIEQVQLEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1558
Z18971	VDAKYAKEIESVQLEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1559
Z18986	VDAKYAKEIEEVQLEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1560
Z19071	VDAKYAKEVEEIQLEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1561
Z19020	VDAKYAKEVEEVQFEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1562
Z19082	VDAKYAKEVEEIQFEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1563
Z19085	VDAKYAKEVEEIQYEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1564
Z19015	VDAKYAKEVEEIQLEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1565

FIGURE 1BC

Z19107	VDAKYAKETEEVQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1566
Z19081	VDAKYAKETEHIQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1567
Z19001	VDAKYAKETEQVQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1568
Z19000	VDAKYAKETEKIQFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1569
Z19014	VDAKYAKETEEIQLEIYALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1570
Z19158	VDAKYAKETEEIQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1571
Z18974	VDAKYAKEIESIQYEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1572
Z19074	VDAKYAKEIESVQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1573
Z19176	VDAKYAKEIESIQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1574
Z18962	VDAKYAKELESVQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1575
Z19021	VDAKYAKEIETIQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1576
Z19006	VDAKYAKEVETVQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1577
Z19073	VDAKYAKEIEQIQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1578
Z19118	VDAKYAKEIEHVQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1579
Z19097	VDAKYAKEIEHIQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1580
Z18987	VDAKYAKEVEKVQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1581
Z18977	VDAKYAKEIEEVQLEIYALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1582
Z18955	VDAKYAKEVEQVQFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1583
Z18933	VDAKYAKEVEQIQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1584
Z18988	VDAKYAKEVEEVQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1585
Z19056	VDAKYAKEVEEIQLEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1586
Z18904	VDAKYAKEVEEIQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1587
Z19012	VDAKYAKEVEEVQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1588
Z19047	VDAKYAKEVEEIQLEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1589
Z19064	VDAKYAKEIEEIQFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1590
Z18908	VDAKYAKEIEEIQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1591
Z18989	VDAKYAKEIEDVQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1592
Z19171	VDAKYAKEIEDIQLEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1593
Z19151	VDAKYAKEVEDIQLEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1594

FIGURE 1BD

Z19002	VDAKYAKETEVVQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1595
Z18936	VDAKYAKEAEIVQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1596
Z18969	VDAKYAKEVEFVQYEIFQLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1597
Z18983	VDAKYAKEIEIVQFEIFHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1598
Z19044	VDAKYAKEVEIIQLEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1599
Z19031	VDAKYAKEVETIQLEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1600
Z19022	VDAKYAKEVEYIQLEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1601
Z18970	VDAKYAKEIELIQLEIYALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1602
Z18945	VDAKYAKEIEYVQFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1603
Z19010	VDAKYAKEIEVIQYEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1604
Z18944	VDAKYAKEIEVIQLEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1605
Z19026	VDAKYAKEIEVIQLEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1606
Z19039	VDAKYAKEVEYIQMEIFALPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1607
Z18934	VDAKYAKEVEIVQFEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1608
Z19178	VDAKYAKEVEVIQLEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1609
Z19114	VDAKYAKEVEVIQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1610
Z19032	VDAKYAKEVEVIQLEIFSLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1611
Z19162	VDAKYAKELEIIQLEIFSLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1612
Z18994	VDAKYAKEIEVVQLEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1613
Z18984	VDAKYAKEIEVVQLEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1614
Z19161	VDAKYAKEIEIIQMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1615
Z18985	VDAKYAKEVEVVQFEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1616
Z18957	VDAKYAKEVEYVQLEIYGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1617
Z19075	VDAKYAKEVEIIQYEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1618
Z19046	VDAKYAKELEAIQMEIFVLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1619
Z19173	VDAKYAKEVEAIQMEIFFLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1620
Z19004	VDAKYAKELEAIQLEIYELPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1621
Z18993	VDAKYAKEVEAIQFEIFQLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1622
Z19177	VDAKYAKEVEAIQFEIYHLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1623

FIGURE 1BE

Z18926	VDAKYAKEVEAIQLEIYHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1624
Z18956	VDAKYAKEIEAVQIEIFRLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1625
Z18961	VDAKYAKEIEAIQLEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1626
Z18772	VDAKYAKEIEAIQMEIFHLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1627
Z19182	VDAKYAKEVEAIQMEIFQLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1628
Z18964	VDAKYAKEIEAIQYEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1629
Z19013	VDAKYAKEIEAIQLEIYALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1630
Z19117	VDAKYAKEIEAIQLEIFALPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1631
Z18999	VDAKYAKEVEAVQLEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1632
Z18581	AEAKYAKEAEEAYYEIFGLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1633
Z18591	AEAKYAKEADAAYMEIFGLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1634
Z18607	AEAKYAKEIEAVQMEIFYLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1635
Z18573	AEAKYAKEIEAAQMEIFGLPNLTRKQYTAFIRKLFDDPSQSSELLSEAKKLNDSQAPK	1636
Z18574	AEAKYAKELEAAYMEIYYLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1637
Z18603	AEAKYAKEAEKAYYEIFNLPNLTRKQYTAFIRKLLDDPSQSSELLSEAKKLNDSQAPK	1638
PSI0405	AEAKYAKEAHRAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKVEGSLAEAK EAANAELDSYGVSDFYKRLIDKAKTVEGVEALKDAILAALP	1639
PSI0407	AEAKYAKEALSAQQEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKVEGSLAEAK EAANAELDSYGVSDFYKRLIDKAKTVEGVEALKDAILAALP	1640
PSI0411	ASLAEAKEAANAELDSYGVSDFYKRLIDKAKTVEGVEALKDAILAALPGSAEAKYAKEAHRAQMEIF ALPNLTR RQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1641
PSI0412	ASLAEAKEAANAELDSYGVSDFYKRLIDKAKTVEGVEALKDAILAALPGGGGSGGGGSAEAKYAKEA HRAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1642
PSI0415	ASLAEAKEAANAELDSYGVSDFYKRLIDKAKTVEGVEALKDAILAALPAEAKYAKEAHRAQMEIFAL PNLTRRQ YTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1643
PSI0416	ASLAEAKEAANAELDSYGVSDFYKRLIDKAKTVEGVEALKDAILAALPKYAKEAHRAQMEIFALPNL TRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1644

FIGURE 1BF

PSI0417	ASLAEAKEAANAELDSYGVSDFYKRLIDKAKTVEGVEALKDAILAALPKEAAAKEAAAKEAAAKELA AKEAAAKEAAAKEAAAKELAAAEAKYAKEAHRAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLS EAKKLSESQAPK	1645
PSI0534	AEAKYAKEIEEVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1646
PSI0535	AEAKYAKEIEEIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1647
PSI0536	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1648
PSI0537	AEAKYAKEVEDIQLEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1649
PSI0538	AEAKYAKELEAIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1650

FIGURE 1BG

PSI0539	AEAKYAKETEAVQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1651
PSI0574	AEAKYAKEIEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1652
PSI0575	AEAKYAKELEAIQMEIFYLPNLTRRQYVAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1653
PSI0576	AEAKYAKELEEIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK	1654
PSI0580	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDHVKLVNEVTEFAKTCVADESAENCDK SLHTLFGDKLCTVATLRETYGEMADCCAKQEPERNECFLQHKDDNPNLPRLVRPEVDVMCTAFHDNE ETFLKKYLYEIARRHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDELRDEGKASSAKQRL KCASLQKFGERAFKAWAVARLSQRFPKAEFAEVSKLVTDLTKVHTECCHGDLLECADDRADLAKYIC ENQDSISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLY EYARRHPDYSVVLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCELFEQLG EYKFQNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCCKHPEAKRMPCAEDYLSVVLNQLCVLHEK TPVSDRVTKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELV KHKPKATKEQLKAVMDDFAAFVEKCCKADDKETCFAEEGKKLVAASQAALGL	1655

FIGURE 1BH

PSI0581	AEAKYAKEVEEIQMEIFRLPNLNRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDHVKLVNEVTEFAKTCVADESAENCDK SLHTLFGDKLCTVATLRETYGEMADCCAKQEPERNECFLQHKDDNPNLPRLVRPEVDVMCTAFHDNE ETFLKKYLYEIARRHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDELRDEGKASSAKQRL KCASLQKFGERAFKAWAVARLSQRFPKAEFAEVSKLVTDLTKVHTECCHGDLLECADDRADLAKYIC ENQDSISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLY EYARRHPDYSVVLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCELFEQLG EYKFQNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCCKHPEAKRMPCAEDYLSVVLNQLCVLHEK TPVSDRVTKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELV KHKPKATKEQLKAVMDDFAAFVEKCCKADDKETCFAEEGKKLVAASQAALGL	1656
PSI0582	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSVPDKTVRWCAVSEHEATKCQSFRDHMKSVIPSDGPSVACVKKASYLDCIRAIAANEADAVTLDA GLVYDAYLAPNNLKPVVAEFYGSKEDPQTFYYAVAVVKKDSGFQMNQLRGKKSCHTGLGRSAGWNIP IGLLYCDLPEPRKPLEKAVANFFSGSCAPCADGTDFPQLCQLCPGCGCSTLNQYFGYSGAFKCLKDG AGDVAFVKHSTIFENLANKADRDQYELLCLDNTRKPVDEYKDCHLAQVPSHTVVARSMGGKEDLIWE LLNQAQEHFGKDKSKEFQLFSSPHGKDLLFKDSAHGFLKVPPRMDAKMYLGYEYVTAIRNLREGTCP EAPTDECKPVKWCALSHHERLKCDEWSVNSVGKIECVSAETTEDCIAKIMNGEADAMSLDGGFVYIA GKCGLVPVLAENYNKSDNCEDTPEAGYFAIAVVKKSASDLTWDNLKGKKSCHTAVGRTAGWNIPMGL LYNKINHCRFDEFFSEGCAPGSKKDSSLCKLCMGSGLNLCEPNNKEGYYGYTGAFRCLVEKGDVAFV KHQTVPQNTGGKNPDPWAKNLNEKDYELLCLDGTRKPVEEYANCHLARAPNHAVVTRKDKEACVHKI LRQQQHLFGSNVTDCSGNFCLFRSETKDLLFRDDTVCLAKLHDRNTYEKYLGEEYVKAVGNLRKCST SSLLEACTFRRP	1657
PSI0589	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGG GGSDKTHTCPPCPAPELLG	1658
ABD035	LAEAKVLANRELDKYGVSDFYKRLINKAKTVEGVEALKLHILAALP	1659
ABD001	LAEAKVLANRELDKYGVSDYYKNLINNAKTVEGVKALIDEILAALP	1660
PP013	LAEAKEAANAELDSYGVSDFYKRLIDKAKTVEGVEALKDAILAALP	1661

FIGURE 1BI

hIgG1 Fc	DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPS RDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGN VFSCSVMHEALHNHYTQKSLSLSPGK	1662
hAlbumin	DAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDHVKLVNEVTEFAKTCVADESAENCDKSLH TLFGDKLCTVATLRETYGEMADCCAKQEPERNECFLQHKDDNPNLPRLVRPEVDVMCTAFHDNEETF LKKYLYEIARRHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDELRDEGKASSAKQRLKCA SLQKFGERAFKAWAVARLSQRFPKAEFAEVSKLVTDLTKVHTECCHGDLLECADDRADLAKYICENQ DSISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYEYA RRHPDYSVVLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCELFEQLGEYK FQNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPV SDRVTKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHK PKATKEQLKAVMDDFAAFVEKCCKADDKETCFAEEGKKLVAASQAALGL	1663
hTransferrin	VPDKTVRWCAVSEHEATKCQSFRDHMKSVIPSDGPSVACVKKASYLDCIRAIAANEADAVTLDAGLV YDAYLAPNNLKPVVAEFYGSKEDPQTFYYAVAVVKKDSGFQMNQLRGKKSCHTGLGRSAGWNIPIGL LYCDLPEPRKPLEKAVANFFSGSCAPCADGTDFPQLCQLCPGCGCSTLNQYFGYSGAFKCLKDGAGD VAFVKHSTIFENLANKADRDQYELLCLDNTRKPVDEYKDCHLAQVPSHTVVARSMGGKEDLIWELLN QAQEHFGKDKSKEFQLFSSPHGKDLLFKDSAHGFLKVPPRMDAKMYLGYEYVTAIRNLREGTCPEAP TDECKPVKWCALSHHERLKCDEWSVNSVGKIECVSAETTEDCIAKIMNGEADAMSLDGGFVYIAGKC GLVPVLAENYNKSDNCEDTPEAGYFAIAVVKKSASDLTWDNLKGKKSCHTAVGRTAGWNIPMGLLYN KINHCRFDEFFSEGCAPGSKKDSSLCKLCMGSGLNLCEPNNKEGYYGYTGAFRCLVEKGDVAFVKHQ TVPQNTGGKNPDPWAKNLNEKDYELLCLDGTRKPVEEYANCHLARAPNHAVVTRKDKEACVHKILRQ QQHLFGSNVTDCSGNFCLFRSETKDLLFRDDTVCLAKLHDRNTYEKYLGEEYVKAVGNLRKCSTSSL LEACTFRRP	1664

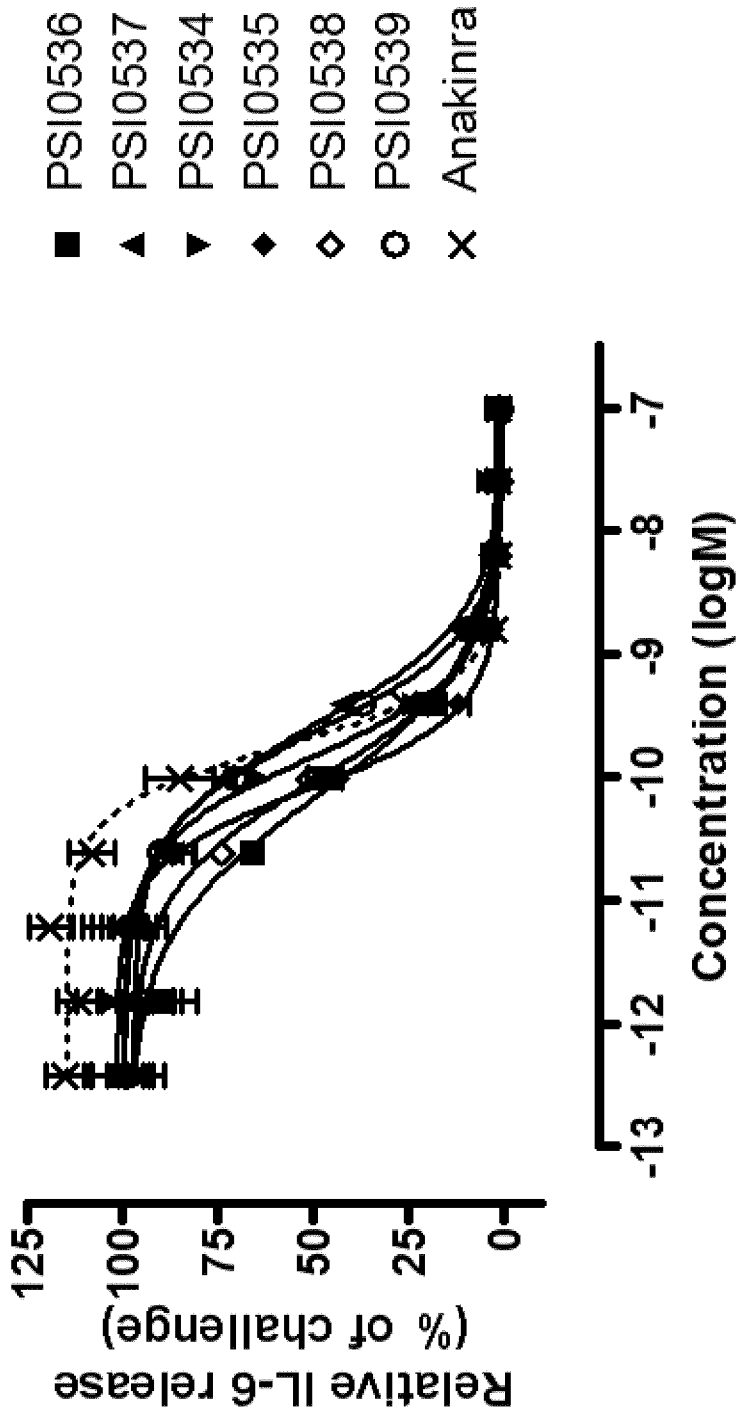
FIGURE 1BJ

cIL-1R-I-HIS6	EADKCNEREEKIILVSSANEIDVRPCPLNPNEYKGTITWYKNDSKTPVSTEQASRIHQHKKKLWFVP AKVEDSGHYYCVVRNSSYCLRIKITAKFVENEPNLCYNAEAIFKQRLPVAGDGGLVCPYMEFFKDEN NELPKLLWYKDCKPLLLDNIHFSGVKDRLIVMNVAEKHRGNYTCHASYTYLGKQYPITRVIEFITLE ENKPTRPVIVSPANETIEVDLGSQIQLICNVTGQLSDTAYWKWNGSFIDEDDPVLGEDYYSVENPAN KRRSTLITVLNISETESRFYKHPFTCLARNTHGMDAAYVQLIYPVTGSENLYFQGSHHHHHH	1665
cIL-1R-I-Fc	LEADKCNEREEKIILVSSANEIDVRPCPLNPNEYKGTITWYKNDSKTPVSTEQASRIHQHKKKLWFV PAKVEDSGHYYCVVRNSSYCLRIKITAKFVENEPNLCYNAEAIFKQRLPVAGDGGLVCPYMEFFKDE NNELPKLLWYKDCKPLLLDNIHFSGVKDRLIVMNVAEKHRGNYTCHASYTYLGKQYPITRVIEFITL EENKPTRPVIVSPANETIEVDLGSQIQLICNVTGQLSDTAYWKWNGSFIDEDDPVLGEDYYSVENPA NKRRSTLITVLNISETESRFYKHPFTCLARNTHGMDAAYVQLIYPVTGSENLYFQGSDKTHTCPPCP APELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVS LTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEA LHNHYTQKSLSLSPGK	1666
mut1	AEAKYAKEAHRAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1667
mut2	AEAKYAKEALSAQQEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1668
mut3	KYAKEAHRAQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1669
mut4	AEAKYAKEIEEVQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1670
mut5	AEAKYAKEIEEIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1671
mut6	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1672
mut7	AEAKYAKEVEDIQLEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1673
mut8	AEAKYAKELEAIQMEIFHLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1674
mut9	AEAKYAKETEAVQMEIFALPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1675
mut10	AEAKYAKEIEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1676
mut11	AEAKYAKELEAIQMEIFYLPNLTRRQYVAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1677
mut12	AEAKYAKELEEIQMEIFYLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1678
mut13	AEAKYAKEVEEIQMEIFRLPNLNRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPK	1679

FIGURE 1BK

GS-hIL-1B	GSAPVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFSMSFVQGEESNDKIPVALGLKEK NLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLEFESAQFPNWYISTSQAENMPV FLGGTKGGQDITDFTMQFVSS	1733
PSI0653	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGGGGSDKTHTCP PCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYASTYRV VSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAV EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	1734
PSI0654	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGGGGSDKTHTCP PCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYASTYRV VSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAV EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVLHEALHSHYTQKSLSLSPGK	1735
PSI0655	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGGGGSDKTHTCP PCPAPELLGGPSVFLFPPKPKDTLYITREPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYASTYRVV SVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE WESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	1736
PSI0656	AEAKYAKEVEEIQMEIFRLPNLTRRQYTAFIRKLLDDPSQSSELLSEAKKLSESQAPKASGGGGSGGGGSESKYGPPC PPCPAPEFLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSQEDPEVQFNWYVDGVEVHNAKTKPREEQFNSTYR VVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISKAKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIA VEWESNGQPENNYKTTPPVLDSDGSFFLYSRLTVDKSRWQEGNVFSCSVMHEALHNHYTQKSLSLSLGK	1737

FIGURE 2


PSI0536
PSI0537
PSI0534
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PSI0538
PSI0539
Anakinra
Relative IL-6 release
(% of challenge)
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-10
-9
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Concentration (logM)
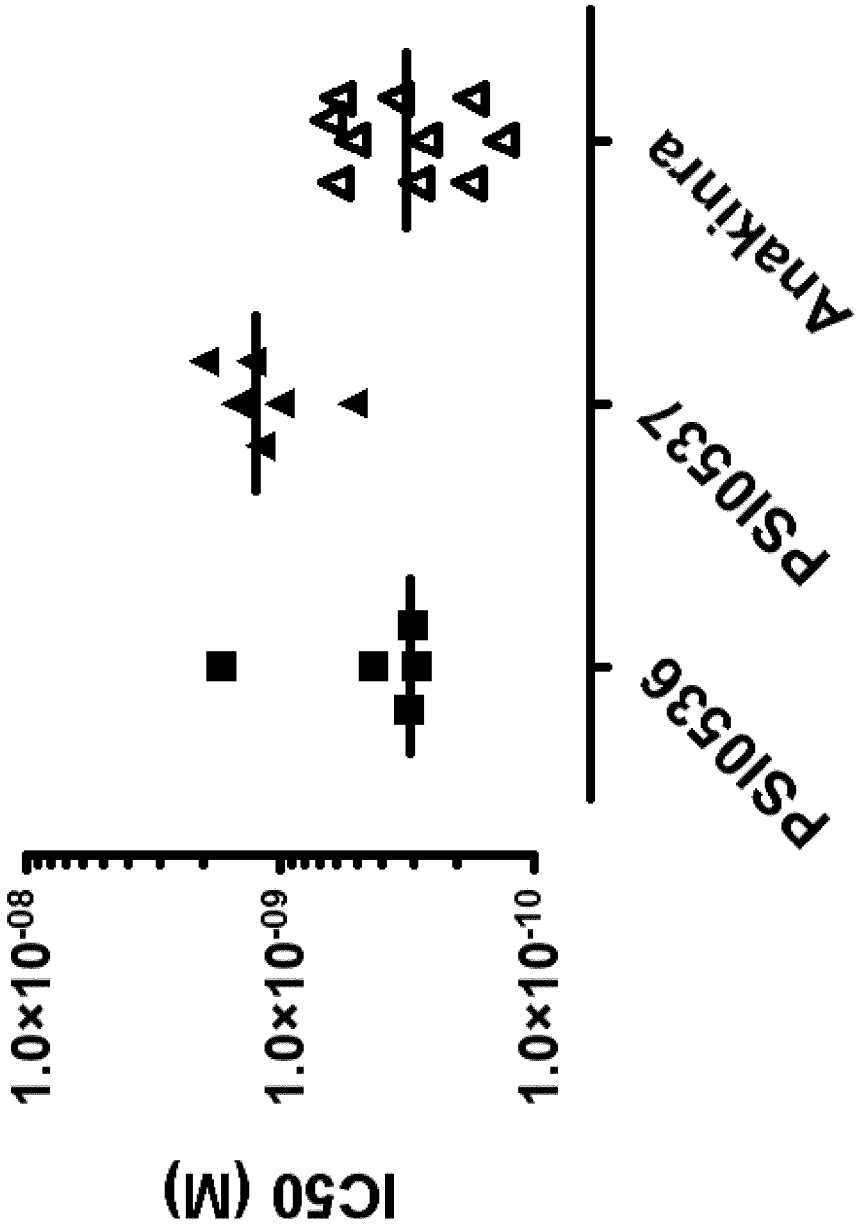
FIGURE 3