

FIG. 1A

	1				50
42_2	.....	.....	.....	.....	.....
42_8	.....	.....	.....	.....	.....
42_15	.....	.....	.....	.....	.....
42_5b	.....	.....	.....	.....	.....
42_1b	.....	.....	.....	.....	.....
42_13	.....	.....	.....	.....	.....
42_3a	.....	.....	.....	.....	.....
42_4	.....	.....	.....	.....	.....
42_5a	.....	.....	.....	.....	.....
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	.....	.....	.....	.....	.....
42_6b	.....	.....	.....	.....	.....
43_1	.....	.....	.....	.....	.....
43_5	.....	.....	.....	.....	.....
43_12	.....	.....	.....	.....	.....
43_20	.....	.....	.....	.....	.....
43_21	.....	.....	.....	.....	.....
43_23	.....	.....	.....	.....	.....
43_25	.....	.....	.....	.....	.....
44_1	.....	.....	.....	.....	.....
44_5	.....	.....	.....	.....	.....
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	.....	.....	.....	.....	.....
A3_5	.....	.....	.....	.....	.....
A3_7	.....	.....	.....	.....	.....
A3_3	.....	.....	.....	.....	.....
42_12	.....	.....	.....	.....	.....
AAV1	TTGCCCCTC	CCTCTCTGCG	CGCTCGCTCG	CTCGGTGGGG	CCTGCGGACC
AAV2	TTGGCCACTC	CCTCTCTGCG	CGCTCGCTCG	CTCACTGAGG	CCGGGCGACC
AAV3	TTGGCCACTC	CCTCTATGCG	CACTCGCTCG	CTCGGTGGGG	CCTGGCGACC
AAV8	.....	.....	.....	.....	.....
AAV9	.....	.....	.....	.....	.....
AAV7	TTGGCCACTC	CCTCTATGCG	CGCTCGCTCG	CTCGGTGGGG	CCTGCGGACC
44_2	.....	.....	.....	.....	.....

Fig. 1B

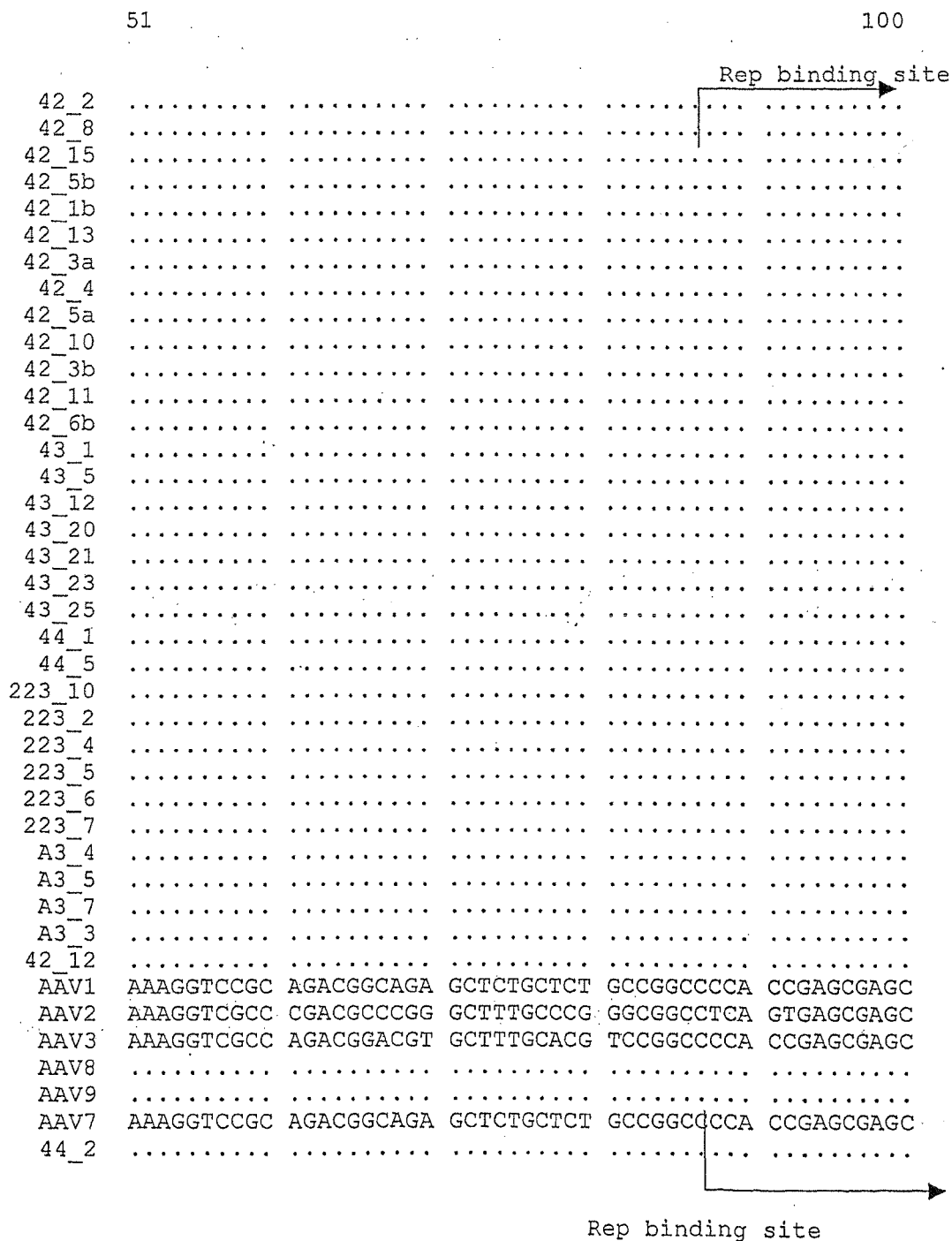


Fig. 1C

		101				150
		Rep binding site		TRS		
42_2	.....		.....	.....	.....	.....
42_8	.....		.....	.....	.....	.....
42_15	.....		.....	.....	.....	.....
42_5b	.....		.....	.....	.....	.....
42_1b	.....		.....	.....	.....	.....
42_13	.....		.....	.....	.....	.....
42_3a	.....		.....	.....	.....	.....
42_4	.....		.....	.....	.....	.....
42_5a	.....		.....	.....	.....	.....
42_10	.....		.....	.....	.....	.....
42_3b	.....		.....	.....	.....	.....
42_11	.....		.....	.....	.....	.....
42_6b	.....		.....	.....	.....	.....
43_1	.....		.....	.....	.....	.....
43_5	.....		.....	.....	.....	.....
43_12	.....		.....	.....	.....	.....
43_20	.....		.....	.....	.....	.....
43_21	.....		.....	.....	.....	.....
43_23	.....		.....	.....	.....	.....
43_25	.....		.....	.....	.....	.....
44_1	.....		.....	.....	.....	.....
44_5	.....		.....	.....	.....	.....
223_10	.....		.....	.....	.....	.....
223_2	.....		.....	.....	.....	.....
223_4	.....		.....	.....	.....	.....
223_5	.....		.....	.....	.....	.....
223_6	.....		.....	.....	.....	.....
223_7	.....		.....	.....	.....	.....
A3_4	.....		.....	.....	.....	.....
A3_5	.....		.....	.....	.....	.....
A3_7	.....		.....	.....	.....	.....
A3_3	.....		.....	.....	.....	.....
42_12	.....		.....	.....	.....	.....
AAV1	GAGCGCGCAG AGAGGGAGTG GGCAACTCCA TCACTAGGGG TAATCGCGAA					
AAV2	GAGCGCGCAG AGAGGGAGTG GGCAACTCCA TCACTAGGGG TTC.....					
AAV3	GAGTGCAT AGAGGGAGTG GGCAACTCCA TCACTAGAGG T.....					
AAV8	CAG AGAGGGAGTG GGCAACTCCA TCACTAGGGG TAG.CGCGAA					
AAV9	CAG AGAGGGAGTG GGCAACTCCA TCACTAGGGG TAATCGCGAA					
AAV7	GAGCGCGCAT AGAGGGAGTG GGCAACTCCA TCACTAGGGG TA.CCGCGAA					
44_2	.....		.....	.....	.....	.....
Rep binding site			TRS			

Fig. 1D

	151				200
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	GCGCCTCCCA	CGCTGCCGCG	TCAGCGCTGA	CGTAAATTAC	GTCATAGGGG
AAV2	CTG	GAGGGGTGGA	GTCGTGACGT	GAATTACGTC	ATAGGGTTAG
AAV3	ATG	GCAGTGACGT	AACGCGAAGC	GCGCGAAGCG	AGACCACGCC
AAV8	GCGCCTCCCA	CGCTGCCGCG	TCAGCGCTGA	CGTAAATTAC	GTCATAGGGG
AAV9	GCGCCTCCCA	CGCTGCCGCG	TCAGCGCTGA	CGTAGATTAC	GTCATAGGGG
AAV7	GCGCCTCCCA	CGCTGCCGCG	TCAGCGCTGA	CGTAAATCAC	GTCATAGGGG
44_2					

Fig. 1E

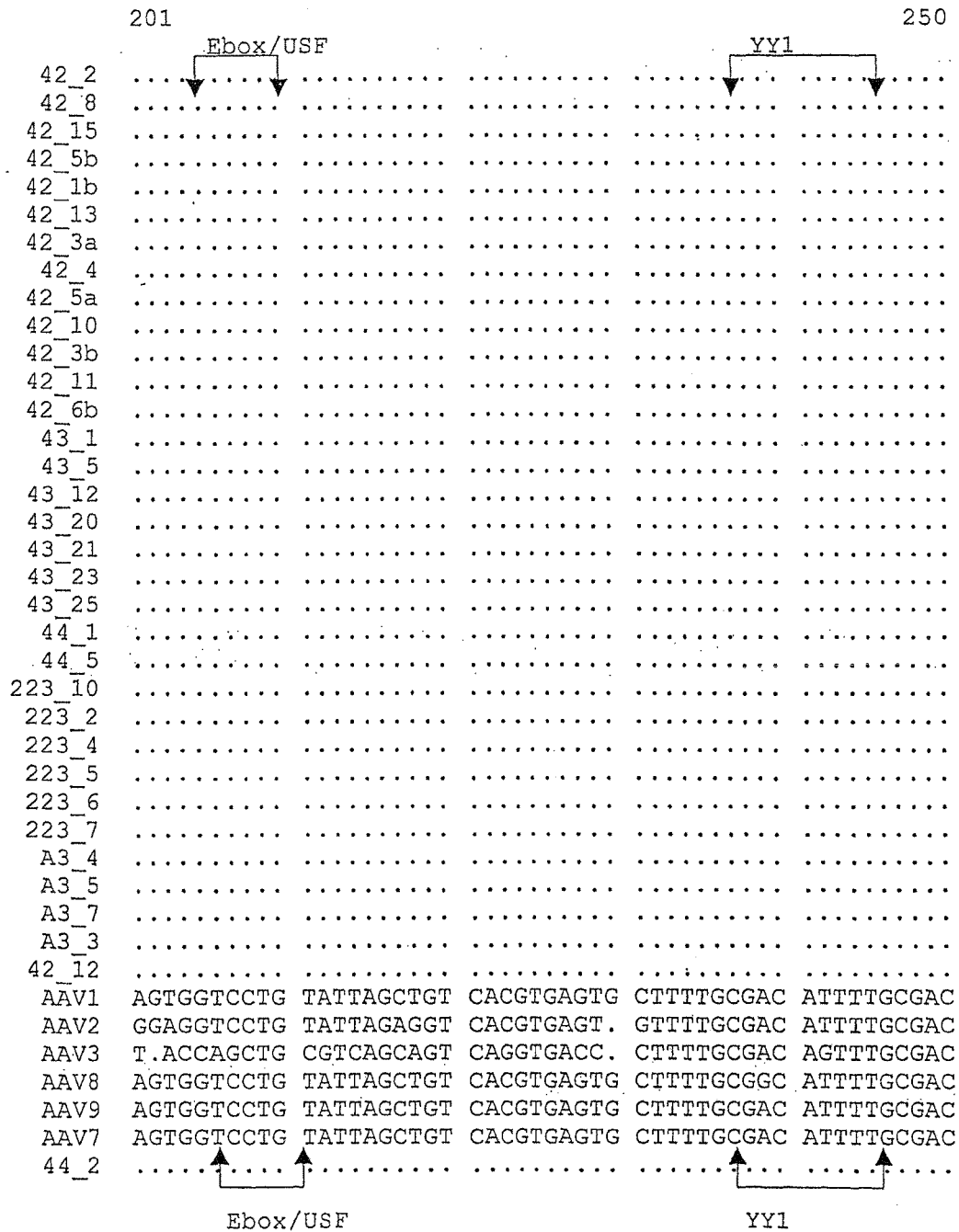


Fig. 1F

251

300

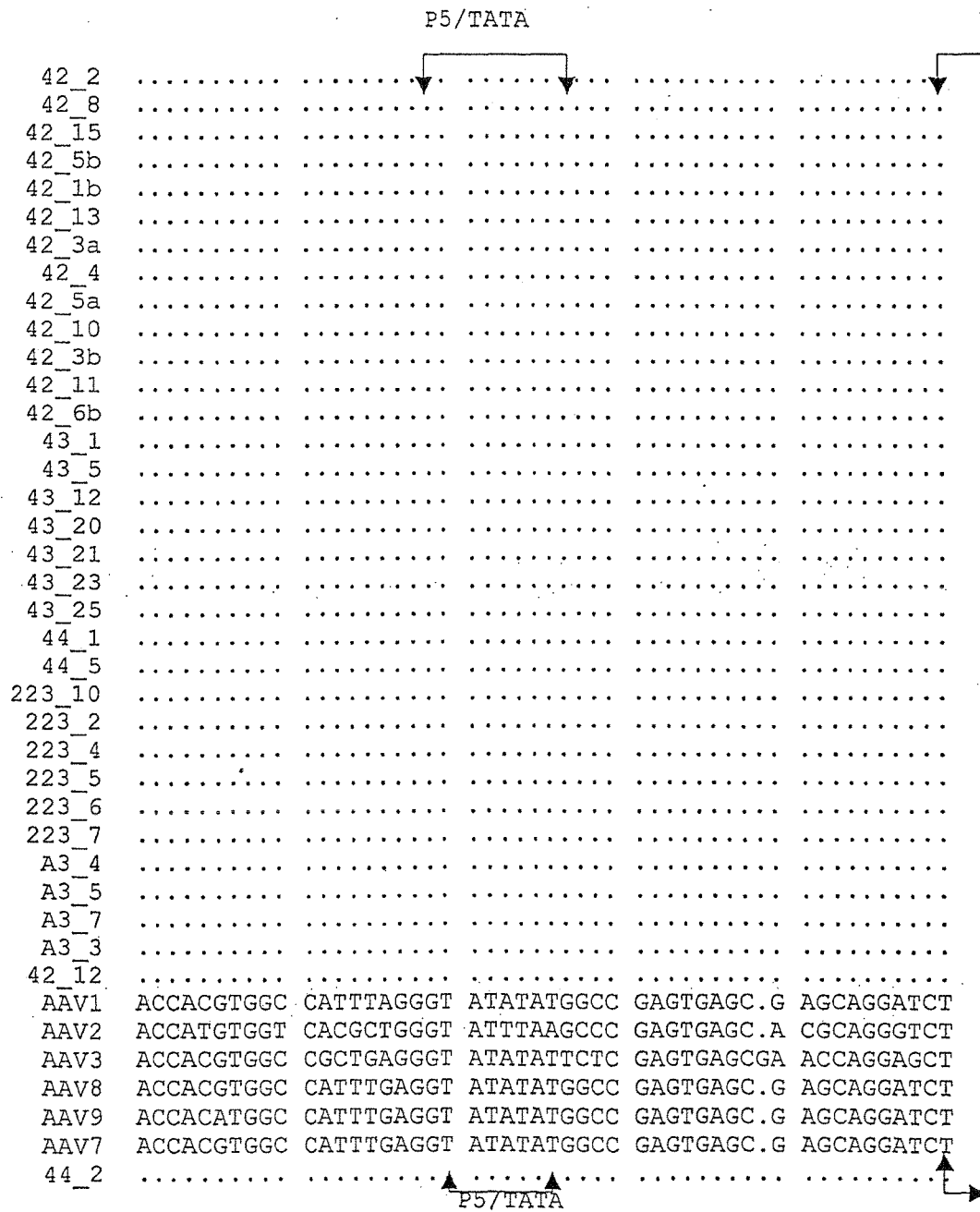


Fig. 1G

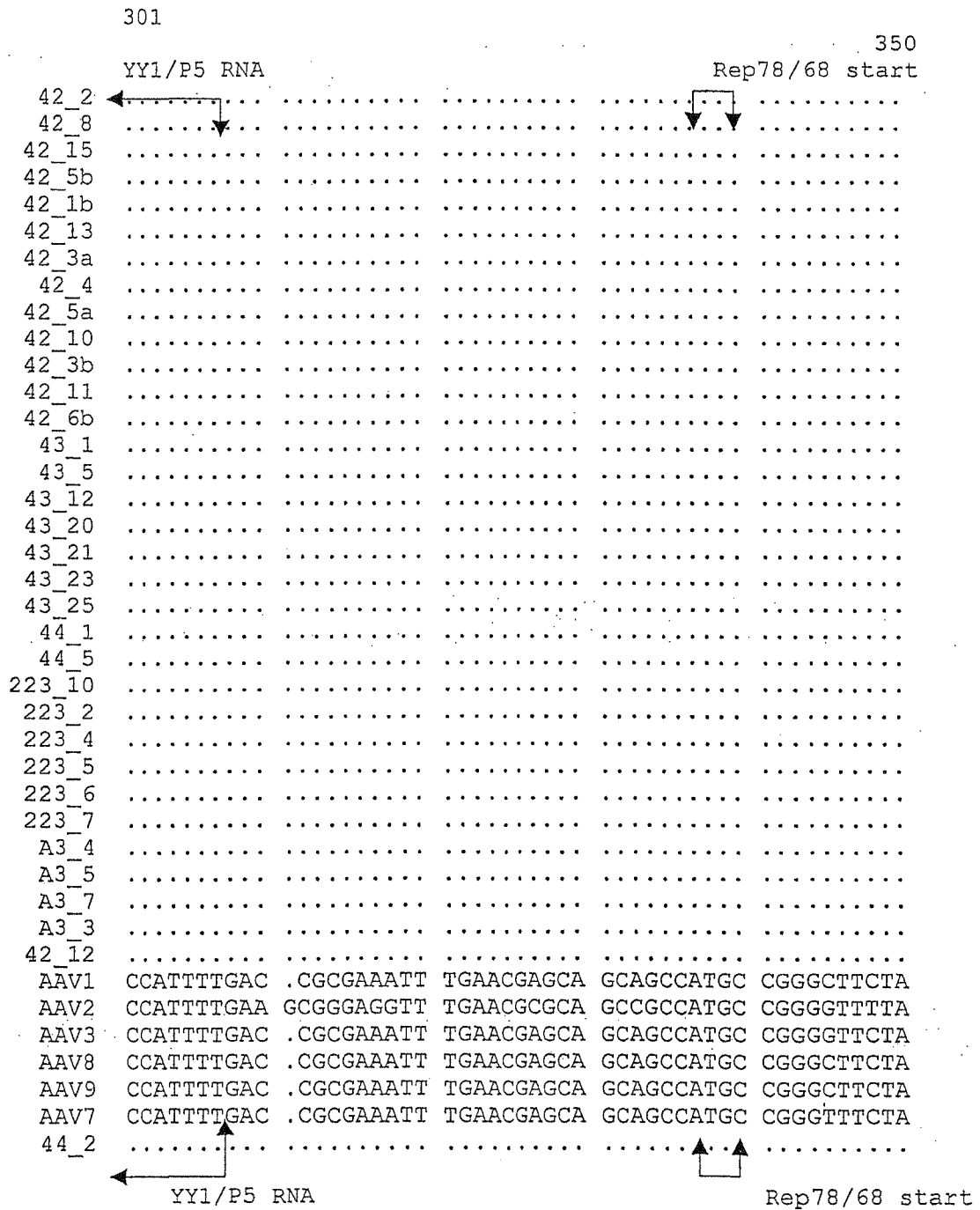


Fig. 1H

	351				400
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CGAGATCGTG	ATCAAGGTGC	CGAGCGACCT	GGACGAGCAC	CTGCCGGGCA
AAV2	CGAGATTGTG	ATTAAGGTCC	CCAGCGACCT	TGACGGGCAT	CTGCCGGGCA
AAV3	CGAGATTGTC	CTGAAGGTCC	CGAGTGACCT	GGACGAGCGC	CTGCCGGGCA
AAV8	CGAGATCGTG	ATCAAGGTGC	CGAGCGACCT	GGACGAGCAC	CTGCCGGGCA
AAV9	CGAGATTGTG	ATCAAGGTGC	CGAGCGACCT	GGACGAGCAC	CTGCCGGGCA
AAV7	CGAGATCGTG	ATCAAGGTGC	CGAGCGACCT	GGACGAGCAC	CTGCCGGGCA
44_2					

Fig. 1I

	401				450
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	TTTCTGACTC	GTTTGTGAGC	TGGGTGGCCG	AGAAGGAATG	GGAGCTGCCC
AAV2	TTTCTGACAG	CTTTGTGAAC	TGGGTGGCCG	AGAAGGAATG	GGAGTTGCCG
AAV3	TTTCTAACTC	GTTTGTTAAC	TGGGTGGCCG	AGAAGGAATG	GGACGTGCCG
AAV8	TTTCTGACTC	GTTTGTGAAC	TGGGTGGCCG	AGAAGGAATG	GGAGCTGCCC
AAV9	TTTCTGACTC	TTTGTGAAC	TGGGTGGCCG	AGAAGGAATG	GGAGCTGCCC
AAV7	TTTCTGACTC	GTTTGTGAAC	TGGGTGGCCG	AGAAGGAATG	GGAGCTGCCC
44_2					

Fig. 1J

	451				500
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CCGGATTCTG	ACATGGATCT	GAATCTGATT	GAGCAGGCAC	CCCTGACCGT
AAV2	CCAGATTCTG	ACATGGATCT	GAATCTGATT	GAGCAGGCAC	CCCTGACCGT
AAV3	CCGGATTCTG	ACATGGATCC	GAATCTGATT	GAGCAGGCAC	CCCTGACCGT
AAV8	CCGGATTCTG	ACATGGATCG	GAATCTGATC	GAGCAGGCAC	CCCTGACCGT
AAV9	CCGGATTCTG	ACATGGATCG	GAATCTGATC	GAGCAGGCAC	CCCTGACCGT
AAV7	CCGGATTCTG	ACATGGATCT	GAATCTGATC	GAGCAGGCAC	CCCTGACCGT
44_2					

Fig. 1K

	501				550
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	GGCCGAGAAG	CTGCAGCGCG	ACTTCCTGGT	CCAATGGCGC	CGCGTGAGTA
AAV2	GGCCGAGAAG	CTGCAGCGCG	ACTTTCTGAC	GGAATGGCGC	CGTGTGAGTA
AAV3	GGCCGAAAAG	CTTCAGCGCG	AGTTCCTGGT	GGAGTGGCGC	CGCGTGAGTA
AAV8	GGCCGAGAAG	CTGCAGCGCG	ACTTCCTGGT	CCAATGGCGC	CGCGTGAGTA
AAV9	GGCCGAGAAG	CTGTAGCGCG	ACTTCCTGGT	CCAATGGCGC	CGCGTGAGTA
AAV7	GGCCGAGAAG	CTGCAGCGCG	ACTTCCTGGT	CCAATGGCGC	CGCGTGAGTA
44_2					

Fig. 1L

	551				600
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	AGGCCCCGGA	GGCCCTCTTC	TTTGTTCAGT	TCGAGAAGGG	CGAGTCCTAC
AAV2	AGGCCCCGGA	GGCCCTTTTC	TTTGTGCAAT	TTGAGAAGGG	AGAGAGCTAC
AAV3	AGGCCCCGGA	GGCCCTCTTT	TTTGTCCAGT	TCGAAAAGGG	GGAGACCTAC
AAV8	AGGCCCCGGA	GGCCCTCTTC	TTTGTTCAGT	TCGAGAAGGG	CGAGAGCTAC
AAV9	AGGCCCCGGA	GGCCCTCTTC	TTTGTTCAGT	TCGAGAAGGG	CGAGAGCTAC
AAV7	AGGCCCCGGA	GGCCCTGTTC	TTTGTTCAGT	TCGAGAAGGG	CGAGAGCTAC
44_2					

Fig. 1M

	601				650
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	TTCCACCTCC	ATATTCTGGT	GGAGACCACG	GGGGTCAAAT	CCATGGTGCT
AAV2	TTCCACATGC	ACGTGCTCGT	GGAAACCACC	GGGGTGAAAT	CCATGGTTTT
AAV3	TTCCACCTGC	ACGTGCTGAT	TGAGACCATC	GGGGTCAAAT	CCATGGTGGT
AAV8	TTTCACCTGC	ACGTTCTGGT	CGAGACCACG	GGGGTCAAGT	CCATGGTGCT
AAV9	TTTCACCTGC	ACGTTCTGGT	CGAGACCACG	GGGGTCAAGT	CCATGGTGCT
AAV7	TTCCACCTTC	ACGTTCTGGT	GGAGACCACG	GGGGTCAAGT	CCATGGTGCT
44_2					

Fig. 1N

	651				700
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	GGGCCGCTTC	CTGAGTCAGA	TTAGGGACAA	GCT.GGTGCA	GACCATCTAC
AAV2	GGGACGTTTC	CTGAGTCAGA	TTCGCGAAAA	ACT..GATTC	AGAGAATTTA
AAV3	CGGCCGCTAC	GTGAGCCAGA	TTAAAGAGAA	GCT..GGTGA	CCCGCATCTA
AAV8	AGGCCGCTTC	CTGAGTCAGA	TTCGGGAAAA	GCTTGGTCCA	GACCATCTAC
AAV9	AGGCCGCTTC	CTGAGTCAGA	TTCGGGAGAA	GCT.GGTCCA	GACCATCTAC
AAV7	AGGCCGCTTC	CTGAGTCAGA	TTCGGGAGAA	GCT....G..	GTCCAGACCA
44_2					

Fig. 10

	701				750
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	C.GCGGGATC	GAGCCG.ACC	CTGCCCAACT	GGTTCGCGGT	GACCAA.GAC
AAV2	CCGCGGGATC	GAGCCG.ACT	TTGCCAAACT	GGTTCGCGGT	CACAAA...G
AAV3	CCGCGGGGTC	GAGCCG.CAG	CTTCCGAACT	GGTTCGCGGT	GACCAA...A
AAV8	CCGCGGGGTC	GAGCCCCACC	TTGCCCAACT	GGTTCGCGGT	GACCAAAGAC
AAV9	C.GCGGGATC	GAGCCG.ACC	CTGCCCAACT	GGTTCGCGGT	GACCAA.GAC
AAV7	TCTACCGCGG	GGTCGAGCCC	ACGCTGCCCA	ACTGGTTCGC	GGTGACCAAG
44_2					

Fig. 1P

	751				800
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	GCG.TAATGG	CGCCGGAGGG	GGG.AACAAG	GTGGTGGACG	AGTGCTACAT
AAV2	ACCAGAAATG	GCGCCGGAGG	CGGGAACAAG	GTGGTGGATG	AGTGCTACAT
AAV3	ACGCGAAATG	GCGCCGGGGG	CGGGAACAAG	GTGGTGGACG	ACTGCTACAT
AAV8	GCGGTAATGG	CGCCGGCGGG	GGGGAACAAG	GTGGTGGACG	AGTGCTACAT
AAV9	GCG.TAATGG	CGCCGGCGGG	GGG.AACAAG	GTGGTGGACG	AGTGCTACAT
AAV7	ACGCGTAATG	GCGCCGGCGG	GGGGAACAAG	GTGGTGGACG	AGTGCTACAT
44_2					

Fig. 1Q

	801				850
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CCCCAACTAC	CTCCTGCCCCA	AGACTCAGCC	CGAGCTGCAG	TGGGCGTGGA
AAV2	CCCCAATTAC	TTGCTCCCCA	AAACCCAGCC	TGAGCTCCAG	TGGGCGTGGA
AAV3	CCCCAACTAC	CTGCTCCCCA	AGACCCAGCC	CGAGCTCCAG	TGGGCGTGGA
AAV8	CCCCAACTAC	CTCCTGCCCCA	AGACTCAGCC	CGAGCTGCAG	TGGGCGTGGA
AAV9	CCCCAACTAC	CTCCTGCCCCA	AGACTCAGCC	CGAGCTGCAG	TGGGCGTGGA
AAV7	CCCCAACTAC	CTCCTGCCCCA	AGACCCAGCC	CGAGCTGCAG	TGGGCGTGGA
44_2					

900

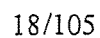


Fig. 1S

	901				950
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CGGCTCGTGG	CGCAGCACCT	GACCCACGTC	AGCCAGACCC	AGGAGCAGAA
AAV2	CGGTTGGTGG	CGCAGCATCT	GACGCACGTG	TCGCAGACGC	AGGAGCAGAA
AAV3	CGGCTGGTGG	CGCAGCATCT	GACGCACGTG	TCGCAGACGC	AGGAGCAGAA
AAV8	CGGCTCGTGG	CGCAGCACCT	GACCCACGTC	AGCCAGACGC	AGGAGCAGAA
AAV9	CGGCTCGTGG	CGCAGCACCT	GACCCACGTC	AGCCAGACGC	AGGAGCAGAA
AAV7	CGGCTCGTGG	CGCAGCACCT	GACCCACGTC	AGCCAGACGC	AGGAGCAGAA
44_2					

Fig. 1T

	951				1000
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CAAGGAGAAT	CTGAACCCCA	ATTCTGACGC	GCCTGTCATC	CGGTCAAAAA
AAV2	CAAAGAGAAT	CAGAATCCCA	ATTCTGATGC	GCCGGTGATC	AGATCAAAAA
AAV3	CAAAGAGAAT	CAGAACCCCA	ATTCTGACGC	GCCGGTCATC	AGGTCAAAAA
AAV8	CAAGGAGAAT	CTGAACCCCA	ATTCTGACGC	GCCCGTGATC	AGGTCAAAAA
AAV9	CAAGGAGAAT	CTGAACCCCA	ATTCTGACGC	GCCCGTGATC	AGGTCAAAAA
AAV7	CAAGGAGAAT	CTGAACCCCA	ATTCTGACGC	GCCCGTGATC	AGGTCAAAAA
44_2					

Fig. 1U

	1001					1050
		Rep52/40 start codon				
42_2	.....	.....	↓	↓	.....	.....
42_8	.....	.....			.....	.....
42_15	.....	.....			.....	.....
42_5b	.....	.....			.....	.....
42_1b	.....	.....			.....	.....
42_13	.....	.....			.....	.....
42_3a	.....	.....			.....	.....
42_4	.....	.....			.....	.....
42_5a	.....	.....			.....	.....
42_10	.....	.....			.....	.....
42_3b	.....	.....			.....	.....
42_11	.....	.....			.....	.....
42_6b	.....	.....			.....	.....
43_1	.....	.....			.....	.....
43_5	.....	.....			.....	.....
43_12	.....	.....			.....	.....
43_20	.....	.....			.....	.....
43_21	.....	.....			.....	.....
43_23	.....	.....			.....	.....
43_25	.....	.....			.....	.....
44_1	.....	.....			.....	.....
44_5	.....	.....			.....	.....
223_10	.....	.....			.....	.....
223_2	.....	.....			.....	.....
223_4	.....	.....			.....	.....
223_5	.....	.....			.....	.....
223_6	.....	.....			.....	.....
223_7	.....	.....			.....	.....
A3_4	.....	.....			.....	.....
A3_5	.....	.....			.....	.....
A3_7	.....	.....			.....	.....
A3_3	.....	.....			.....	.....
42_12	.....	.....			.....	.....
AAV1	CCTCCGCGCG	CTACATGGAG	CTGGTCGGGT	GGCTGGTGGG	CCGGGGCATC	
AAV2	CTTCAGCCAG	GTACATGGAG	CTGGTCGGGT	GGCTCGTGGG	CAAGGGGATT	
AAV3	CCTCAGCCAG	GTACATGGAG	CTGGTCGGGT	GGCTGGTGGG	CCGCGGGATC	
AAV8	CCTCCGCGCG	CTATATGGAG	CTGGTCGGGT	GGCTGGTGGG	CCGGGGCATC	
AAV9	CCTCCGCGCG	CTACATGGAG	CTGGTCGGGT	GGCTGGTGGG	CCGGGGCATC	
AAV7	CCTCCGCGCG	CTACATGGAG	CTGGTCGGGT	GGCTGGTGGG	CCGGGGCATC	
44_2	.....	.....	↑	↑	.....	.....
		Rep 52/40 start				

Fig. 1V

	1051				1100
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	ACCTCCGAGA	AGCAGTGGAT	CCAGGAGGAC	CAGGCCTCGT	ACATCTCCTT
AAV2	ACCTCGGAGA	AGCAGTGGAT	CCAGGAGGAC	CAGGCCTCAT	ACATCTCCTT
AAV3	ACGTCAGAAA	AGCAATGGAT	TCAGGAGGAC	CAGGCCTCGT	ACATCTCCTT
AAV8	ACCTCCGAGA	AGCAGTGGAT	CCAGGAGGAC	CAGGCCTCGT	ACATCTCCTT
AAV9	ACCTCCGAGA	AGCAGTGGAT	CCAGGAGGAC	CAGGCCTCGT	ACATCTCCTT
AAV7	ACCTCCGAGA	AGCAGTGGAT	CCAGGAGGAC	CAGGCCTCGT	ACATCTCCTT
44_2					

Fig. 1W

	1101				1150
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CAACGCCGCT	TCCAACCTCGC	GGTCCCAGAT	CAAGGCCGCT	CTGGACAATG
AAV2	CAATGCGGCC	TCCAACCTCGC	GGTCCCAGAT	CAAGGCTGCC	TTGGACAATG
AAV3	CAACGCCGCC	TCCAACCTCGC	GGTCCCAGAT	CAAGGCCGCG	CTGGACAATG
AAV8	CAACGCCGCC	TCCAACCTCGC	GGTCCCAGAT	CAAGGCCGCG	CTGGACAATG
AAV9	CAACGCCGCC	TCCAACCTCGC	GGTCCCAGAT	CAAGGCCGCG	CTGGACAATG
AAV7	CAACGCCGCC	TCCAACCTCGC	GGTCCCAGAT	CAAGGCCGCG	CTGGACAATG
44_2					

Fig. 1X

	1151				1200
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CCGGCAAGAT	CATGGCGCTG	ACCAAATCCG	CGCCCGACTA	CCTGGTAGGC
AAV2	CGGGAAAGAT	TATGAGCCTG	ACTAAAACCG	CCCCCGACTA	CCTGGTGGGC
AAV3	CCTCCAAGAT	CATGAGCCTG	ACAAAGACGG	CTCCGACTA	CCTGGTGGGC
AAV8	CCGGCAAGAT	CATGGCGCTG	ACCAAATCCG	CGCCCGACTA	CCTGGTGGGG
AAV9	CCGGCAAGAT	CATGGCGCTG	ACCAAATCCG	CGCCCGACTA	CCTGGTAGGC
AAV7	CCGGCAAGAT	CATGGCGCTG	ACCAAATCCG	CGCCCGACTA	CCTGGTGGGG
44_2					

Fig. 1Y

	1201				1250
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b			GA	ATTGCCCCTT	TCTACGGCTG
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CCCGCTCCGC	CCGCGGACAT	TAAAACCAAC	CGCATCTACC	GCATCCTGGA
AAV2	CAGCAGCCCG	TGGAGGACAT	TTCCAGCAAT	CGGATTTATA	AAATTTTGGA
AAV3	AGCAACCCGC	CGGAGGACAT	TACCAAAAAT	CGGATCTACC	AAATCCTGGA
AAV8	CCCTCGCTGC	CCGCGGACAT	TACCCAGAAC	CGCATCTACC	GCATCCTCGC
AAV9	CCTTCACTTC	CGGTGGACAT	TACGCAGAAC	CGCATCTACC	GCATCCTGCA
AAV7	CCCTCGCTGC	CCGCGGACAT	TAAAACCAAC	CGCATCTACC	GCATCCTGGA
44_2					

Fig. 1Z

	1251				1300
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC	GTCGACAAGA
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	GCTGAACGGC	TACGAACCTG	CCTACGCCGG	CTCCGTCTTT	CTCGGCTGGG
AAV2	ACTAAACGGG	TACGATCCCC	AATATGCGGC	TTCCGTCTTT	CTGGGATGGG
AAV3	GCTGAACGGG	TACGATCCGC	AGTACGCCGG	CTCCGTCTTC	CTGGGCTGGG
AAV8	TCTCAACGGC	TACGACCCTG	CCTACGCCGG	CTCCGTCTTT	CTCGGCTGGG
AAV9	GCTCAACGGC	TACGACCCTG	CCTACGCCGG	CTCCGTCTTT	CTCGGCTGGG
AAV7	GCTGAACGGG	TACGATCCTG	CCTACGCCGG	CTCCGTCTTT	CTCGGCTGGG
44_2					

Fig. 1AA

	1301				1350
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT	CGTGGAGTCC
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	CCCAGAAAAG	GTTCGGGAAG	CGCAACACCA	TCTGGCTGTT	TGGGCCGGCC
AAV2	CCACGAAAAA	GTTCGGCAAG	AGGAACACCA	TCTGGCTGTT	TGGGCCTGCA
AAV3	CGCAAAAGAA	GTTCGGGAAG	AGGAACACCA	TCTGGCTCTT	TGGGCCGGCC
AAV8	CTCAGAAAAA	GTTCGGGAAA	CGCAACACCA	TCTGGCTGTT	TGGACCCGCC
AAV9	CACAAAAGAA	GTTCGGGAAA	CGCAACACCA	TCTGGCTGTT	TGGGCCGGCC
AAV7	CCCAGAAAAG	GTTCGGGAAG	CGCAACACCA	TCTGGCTGTT	TGGGCCCGCC
44_2					

Fig. 1AB

1351				1400	
42_2	.....	.....	.....	.....GAA	TCGCCCTTT
42_8	.....	.....	.....	.....GAA	TCGCCCTTT
42_15	.....	.....	.....	.....GAA	TCGCCCTTT
42_5b	.....	.....	.....	.....GAA	TCGCCCTTT
42_1b	.....	.....	.....	.....	.....
42_13	.....	.....	.....	.....GAA	TCGCCCTTT
42_3a	.....	.....	.....	.....GAA	TCGCCCTTT
42_4	.....	.....	.....	.....	.....
42_5a	.....	.....	.....	.....GA	ATTCGCCCTT
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	.....	.....	.....	.....GAA	TCGCCCTTT
42_6b	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC	AAAAGTGCAA
43_1	.....	.....	.....	.....GAA	TCGCCCTTT
43_5	.....	.....	.....	.....GAA	TCGCCCTTT
43_12	.....	.....	.....	.....GAA	TCGCCCTT.
43_20	.....	.....	.....	.....GAA	TCGCCCTTT
43_21	.....	.....	.....	.....GAA	TCGCCCTT.
43_23	.....	.....	.....	.....GAA	TCGCCCTT.
43_25	.....	.....	.....	.....GAA	TCGCCCTTT
44_1	.....	.....	.....	.....GAA	TCGCCCTTT
44_5	.....	.....	.....	.....GAA	TCGCCCTTT
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	.....	.....	.....	.....GA	ATTCGCCCTT
A3_5	.....	.....	.....	.....GA	ATTCGCCCTT
A3_7	.....	.....	.....A	GCGGCCGCGA	ATTCGCCCTT
A3_3	.....	.....	.....	.....GA	ATTCGCCCTT
42_12	.....	.....	.....	.....GAA	TCGCCCTTT
AAV1	ACCACGGGCA	AGACCAACAT	CGCGGAAGCC	ATCGCCACG	CCGTGCCCTT
AAV2	ACTACGGGGA	AGACCAACAT	CGCGGAGGCC	ATAGCCACA	CTGTGCCCTT
AAV3	ACGACGGGTA	AAACCAACAT	CGCGGAAGCC	ATCGCCACG	CCGTGCCCTT
AAV8	ACCACGGGCA	AGACCAACAT	TGCGGAAGCC	ATCGCCACG	CCGTGCCCTT
AAV9	ACCACGGGAA	AGACCAACAT	CGCAGAAGCC	ATTGCCACG	CCGTGCCCTT
AAV7	ACCACGGGCA	AGACCAACAT	TGCGGAAGCC	ATCGCCACG	CCGTGCCCTT
44_2	.....	.....	.....	.....GA	ATTCGCCCTT

Fig. 1AC

	1401				1450
42_2	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
42_8	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
42_15	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
42_5b	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
42_1b	.....	.....	.....	.....	.....
42_13	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
42_3a	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
42_4	.....	.....	.....	.....	.....
42_5a	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
42_6b	.GTCTTCCGC	CCAGATCGAT	CCCACCCCG	TGATCGTCAC	TTCCAACACC
43_1	.CTACGGCTG	CATCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
43_5	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
43_12	GGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
43_20	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
43_21	GGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
43_23	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
43_25	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
44_1	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
44_5	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	TCTACGGCTG	CGTCAACTGG	ACCAATGAAA	ACTTTCCTT	CAACGATTGC
A3_5	TCTACGGCTG	CGTCAACTGG	ACCAATGAAA	ACTTTCCTT	CAACGATTGC
A3_7	TCTACGGCTG	CGTCAACTGG	ACCAATGAAA	ACTTTCCTT	CAACGATTGC
A3_3	TCTACGGCTG	CGTCAACTGG	ACCAATGAAA	ACTTTCCTT	CAACGATTGC
42_12	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
AAV1	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAATGATTGC
AAV2	.CTACGGGTG	CGTAAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGACTGT
AAV3	.CTACGGCTG	CGTAAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
AAV8	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAATGATTGC
AAV9	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
AAV7	.CTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC
44_2	TCTACGGCTG	CGTCAACTGG	ACCAATGAGA	ACTTTCCTT	CAACGATTGC

Fig. 1AD

	1451				1500
42_2	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
42_8	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
42_15	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
42_5b	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
42_1b	.....	.....	.....	.....	.....
42_13	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
42_3a	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
42_4	.....	.....	.....	.....	.....
42_5a	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
42_6b	AACATGTGCG	CCGTGATTGA	CGGGAACAGC	ACCACCTTCG	AGCACCAGCA
43_1	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
43_5	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
43_12	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
43_20	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
43_21	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
43_23	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
43_25	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
44_1	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
44_5	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGAAAGATGA	CCGCCAAGGT
A3_5	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGAAAGATGA	CCGCCAAGGT
A3_7	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGAAAGATGA	CCGCCAAGGT
A3_3	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGAAAGATGA	CCGCCAAGGT
42_12	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
AAV1	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
AAV2	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGGAAGATGA	CCGCCAAGGT
AAV3	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
AAV8	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
AAV9	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
AAV7	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT
44_2	GTCGACAAGA	TGGTGATCTG	GTGGGAGGAG	GGCAAGATGA	CGGCCAAGGT

Fig. 1AE

	1501				1550
42_2	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
42_8	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
42_15	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
42_5b	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
42_1b	.....	.....	.....	.....	.....
42_13	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
42_3a	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
42_4	.....	.....	.....	.....	.....
42_5a	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
42_6b	GCCGTTGCAG	GACCGGATGT	TCAAATTGA	ACTCACCCGC	CGTCTGGAGC
43_1	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
43_5	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
43_12	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
43_20	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGTGTGGACC
43_21	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGTGTGGACC
43_23	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGTGTGGACC
43_25	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGTGTGGACC
44_1	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAAGTG	CGCGTGGACC
44_5	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAAGTG	CGCGTGGACC
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	CGTGGAAATCT	GCCAAAGCCA	TTCTGGGTGG	AAGCAAGGTT	CGTGTGGACC
A3_5	CGTGGAAATCT	GCCAAAGCCA	TTCTGGGTGG	AAGCAAGGTT	CGTGTGGACC
A3_7	CGTGGAAATCT	GCCAAAGCCA	TTCTGGGTGG	AAGCAAGGTT	CGTGTGGACC
A3_3	CGTGGAAATCT	GCCAAAGCCA	TTCTGGGTGG	AGGCAAGGTT	CGTGTGGACC
42_12	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
AAV1	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
AAV2	CGTGGAGTCG	GCCAAAGCCA	TTCTCGGAGG	AAGCAAGGTG	CGCGTGGACC
AAV3	CGTGGAGAGC	GCCAAAGCCA	TTCTGGGCGG	AAGCAAGGTG	CGCGTGGACC
AAV8	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
AAV9	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
AAV7	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAGGTG	CGCGTGGACC
44_2	CGTGGAGTCC	GCCAAGGCCA	TTCTCGGCGG	CAGCAAAGTG	CGCGTGGACC

Fig. 1AF

	1551				1600
42_2	AAAAGTGCAA	GTCTTCGGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACT
42_8	AAAAGTGCAA	GTCTTCGGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACT
42_15	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
42_5b	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
42_1b	.....	.....	.....	.....	.....
42_13	AAAAGTGCAA	GTCGTCCGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACT
42_3a	AAAAGTGCAA	GTCGTCCGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACT
42_4	.....	.....	.....	.....	.....
42_5a	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	AAAAGTGCAA	GTCTTCGGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACT
42_6b	ATGACTTTGG	CAAGGTGACA	AAGCAGGAAG	TCAAAGAGTT	CTTCCGCTGG
43_1	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
43_5	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
43_12	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
43_20	AAAAGTGCAA	GTCTTCGGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACC
43_21	AAAAGTGCAA	GTCTTCGGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACC
43_23	AAAAGTGCAA	GTCTTCGGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACC
43_25	AAAAGTGCAA	GTCTTCGGCC	CAGATCGATC	CCACCCCCGT	GATCGTCACC
44_1	AAAAGTGCAA	GCCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
44_5	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	AGAAATGCAA	GTCTTCGGCC	CAGATCGACC	CGACTCCGGT	GATTGTCACC
A3_5	AGAAATGCAA	GTCTTCGGCC	CAGATCGACC	CGACTCCGGT	GATTGTCACC
A3_7	AGAAATGCAG	GTCTTCGGCC	CAGATCGACC	CGACTCCGGT	GATTGTCACC
A3_3	AGAAATGCAA	GTCTTCGGCC	CAGATCGACC	CGACTCCGGT	GATTGTCACC
42_12	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
AAV1	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
AAV2	AGAAATGCAA	GTCCTCGGCC	CAGATAGACC	CGACTCCCGT	GATCGTCACC
AAV3	AAAAGTGCAA	GTCATCGGCC	CAGATCGAAC	CCACTCCCGT	GATCGTCACC
AAV8	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
AAV9	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACTCCCGT	GATCGTCACC
AAV7	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC
44_2	AAAAGTGCAA	GTCGTCCGCC	CAGATCGACC	CCACCCCCGT	GATCGTCACC

Fig. 1AG

	1601				1650
42_2	TCCAACACCA	ACATGTGCGC	TGTGATTGAC	GGGAACAGCA	CCACCTTCGA
42_8	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
42_15	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
42_5b	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
42_1b	.....	.....	.....	.....	.....
42_13	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
42_3a	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
42_4	.....	.....	.....	.....	.....
42_5a	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
42_6b	GCGCAGGATC	ACGTGACCGA	GGTGGCGCAT	GAGTTCTACG	TCAGAAAGGG
43_1	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
43_5	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
43_12	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
43_20	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCG	CCACCTTCGA
43_21	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
43_23	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
43_25	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
44_1	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
44_5	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	TCTAACACCA	ACATGTGCGC	CGTGATTGAC	GGAAACTCGA	CCACCTTCGA
A3_5	TCTAACACCA	ACATGTGCGC	CGTGATTGAC	GGAAACTCGA	CCACCTTCGA
A3_7	TCTAACACCA	ACATGTGCGC	CGTGATTGAC	GGAAACTCGA	CCACCTTCGA
A3_3	TCTAACACCA	ACATGTGCGC	CGTGATTGAC	GGAAACTCGA	CCACCTTCGA
42_12	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
AAV1	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
AAV2	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACCAA	CGACCTTCGA
AAV3	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
AAV8	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
AAV9	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
AAV7	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA
44_2	TCCAACACCA	ACATGTGCGC	CGTGATTGAC	GGGAACAGCA	CCACCTTCGA

Fig. 1AH

	1651				1700
42_2	GCACCAGCAG	CCGTTACAAG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
42_8	GCACCAGCAG	CCGTTACAAG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
42_15	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
42_5b	GCACCAGCAG	CCGTTACAAG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
42_1b	.....	.....	.....	.....	.....
42_13	GCACCAGCAG	CCGTTACAAG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
42_3a	GCACCAGCAG	CCGTTACAAG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
42_4	.....	.....	.....	.....	.....
42_5a	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	GCACCAGCAG	CCGTTACAAG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
42_6b	TGGAGCCAAC	AAGAGACCCG	CCCCCGATGA	CGCGGATAAA	AGCGAGCCCA
43_1	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAGTTCGAA	CTCACCCGCC
43_5	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAGTTCGAA	CTCACCCGCC
43_12	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAGTTCGAA	CTCACCCGCC
43_20	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
43_21	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
43_23	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
43_25	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
44_1	GCACCAGCAG	CCGTTGCGGG	ACCGGATGTT	CAAGTTTGAA	CTCACCCGCC
44_5	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAGTTTGAA	CTCACCCGCC
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	GCACCAGCAG	CCGTTGCAAG	ACCGGATGTT	CAAATTTGAA	CTTACCCGCC
A3_5	GCACCAGCAG	CCGTTGCAAG	ACCGGATGTT	CAAATTTGAA	CTTACCCGCC
A3_7	GCACCAGCAG	CCGTTGCAAG	ACCGGATGTT	CAAATTTGAA	CTTACCCGCC
A3_3	GCACCAGCAG	CCGTTGCAAG	ACCGGATGTT	CAAATTTGAA	CTTACCCGCC
42_12	GCACCAGCAG	CCGTTACAAG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
AAV1	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
AAV2	ACACCAGCAG	CCGTTGCAAG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
AAV3	GCATCAGCAG	CCGCTGCAGG	ACCGGATGTT	TGAATTTGAA	CTTACCCGCC
AAV8	GCACCAGCAG	CCTCTCCAGG	ACCGGATGTT	TAAGTTCGAA	CTCACCCGCC
AAV9	GCACCAGCAG	CCTCTCCAGG	ACCGGATGTT	TAAGTTCGAA	CTCACCCGCC
AAV7	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAATTTGAA	CTCACCCGCC
44_2	GCACCAGCAG	CCGTTGCAGG	ACCGGATGTT	CAAGTTTGAA	CTCACCCGCC

Fig. 1AI

	1701				1750
42_2	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
42_8	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
42_15	GTCTGGAGCA	TGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
42_5b	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
42_1b	.....	.....	.....	.....	.....
42_13	GTCTGGAGCA	TGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
42_3a	GTCTGGAGCA	TGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
42_4	.....	.....	.....	.....	.....
42_5a	GTCTGGAGCA	TGACTTTGGC	AAGGCGACAA	AGCAGGAAGT	CAAAGAGTTC
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
42_6b	AGCGGGCCTG	CCCCTCAGTC	GCGGATCCAT	CGACGTCAGA	CGCGGAAGGA
43_1	GTCTGGAGCA	CGACTTTGGC	AAGGTGACCA	AGCAGGAAGT	CAAAGAGTTC
43_5	GTCTGGAGCA	CGACTTTGGC	AAGGTGACCA	AGCAGGAAGT	CAAAGAGTTC
43_12	GTCTGGAGCA	CGACTTTGGC	AAGGTGACCA	AGCAGGAAGT	CAAAGAGTTC
43_20	GTCTGGAGCA	TGACTTTGGC	AAGGTGACGA	AGCAGGAAGT	CAAAGAGTTC
43_21	GTCTGGAGCA	TGACTTTGGC	AAGGTGACGA	AGCAGGAAGT	CAAAGAGTTC
43_23	GTCTGGAGCA	TGACTTTGGC	AAGGTGACGA	AGCAGGAAGT	CAAAGAGTTC
43_25	GTCTGGAGCA	TGACTTTGGC	AAGGTGACGA	AGCAGGAAGT	CAAAGGGTTC
44_1	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAGAGAGTTC
44_5	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAGAGAGTTC
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	GTTTGGATCA	TGACTTTGGG	AAGGTCACCA	AGCAGGAAGT	CAAAGACTTT
A3_5	GTTTGGATCA	TGACTTTGGG	AAGGTCACCA	AGCAGGAAGT	CAAAGACTTT
A3_7	GTTTGGATCA	TGACTTTGGG	AAGGTCACCA	AGCAGGAAGT	CAAAGACTTT
A3_3	GTTTGGATCA	TGACTTTGGG	AAGGTCACCA	AGCAGGAAGT	CAAAGACTTT
42_12	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
AAV1	GTCTGGAGCA	TGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
AAV2	GTCTGGATCA	TGACTTTGGG	AAGGTCACCA	AGCAGGAAGT	CAAAGACTTT
AAV3	GTTTGGACCA	TGACTTTGGG	AAGGTCACCA	AACAGGAAGT	AAAGGACTTT
AAV8	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
AAV9	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAAAGAGTTC
AAV7	GTCTGGAGCA	CGACTTTGGC	AAGGTGACGA	AGCAGGAAGT	CAAAGAGTTC
44_2	GTCTGGAGCA	CGACTTTGGC	AAGGTGACAA	AGCAGGAAGT	CAGAGAGTTC

Fig. 1AJ

	1751				1800
42_2	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
42_8	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
42_15	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
42_5b	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
42_1b	.....	.....	.....	.....	.....
42_13	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
42_3a	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
42_4	.....	.....	.....	.....	.....
42_5a	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
42_6b	GCTCCGGTGG	ACTTTGCCGA	CAGGTACCAA	AACAAATGTT	CTCGTCACGC
43_1	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
43_5	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
43_12	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
43_20	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCCACGT
43_21	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCCACGT
43_23	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCCACGT
43_25	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCCACGT
44_1	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCACG	AGTTCTACGT
44_5	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCACG	AGTTCTACGT
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	TTCCGGTGGG	CTCAAGATCA	CGTGACTGAG	GTGGAGCATG	AGTTCTACGT
A3_5	TTCCGGTGGG	CTCAAGATCA	CGTGACTGAG	GTGGAGCATG	AGTTCTACGT
A3_7	TTCCGGTGGG	CTCAAGATCA	CGTGACTGAG	GTGGAGCATG	AGTTCTACGT
A3_3	TTCCGGTGGG	CTCAAGATCA	CGTGACTGAG	GTGGAGCATG	AGTTCTACGT
42_12	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
AAV1	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
AAV2	TTCCGGTGGG	CAAAGGATCA	CGTGGTTGAG	GTGGAGCATG	AATTCTACGT
AAV3	TTCCGGTGGG	CTTCCGATCA	CGTGACTGAC	GTGGCTCATG	AGTTCTACGT
AAV8	TTCCGCTGGG	CCAGTGATCA	CGTGACCGAG	GTGGCGCATG	AGTTTCTACGT
AAV9	TTCCGCTGGG	CCAGTGATCA	CGTGACCGAG	GTGGCGCATG	AGTTTCTACGT
AAV7	TTCCGCTGGG	CCAGTGATCA	CGTGACCGAG	GTGGCGCATG	AGTTCTACGT
44_2	TTCCGCTGGG	CGCAGGATCA	CGTGACCGAG	GTGGCGCACG	AGTTCTACGT

Fig. 1AK

1801

1850
P40/TATA

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42_2  CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
42_8  CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
42_15 CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
42_5b CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
42_1b .....
42_13 CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
42_3a CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
42_4  .....
42_5a CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
42_10 .....
42_3b .....
42_11 CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
42_6b GGGCATAGCG CTGACGTAAA TCACGTCATA GGGGAGTGGT CCTGTATTAG
43_1  CAGAAAGGGC GGAGCCAGCA AAAGACCCGC CCCCAGATGAC GCGGATATAA
43_5  CAGAAAGGGC GGAGCCAGCA AAAGACCCGC CCCCAGATGAC GCGGATATAA
43_12 CAGAAAGGGC GGAGCCAGCA AAAGACCCGC CCCCAGATGAC GCGGATATAA
43_20 CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATATAA
43_21 CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATATAA
43_23 CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATATAA
43_25 CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATATAA
44_1  CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
44_5  CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
223_10 .....
223_2  .....
223_4  .....
223_5  .....
223_6  .....
223_7  .....
A3_4  CAAAAAGGGT GGAGCCAAGA AAAGGCCCGC CCCCAGATGAT GTATATATAA
A3_5  CAAAAAGGGT GGAGCCAAGA AAAGGCCCGC CCCCAGATGAT GTATATATAA
A3_7  CAAAAAGGGT GGAGCCAAGA AAAGGCCCGC CCCCAGATGAT GTATATATAA
A3_3  CAAAAAGGGT GGAGCCAAGA AAAGGCCCGC CCCCAGATGAT GTATATATAA
42_12 CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
AAV1  CAGAAAGGGT GGAGCCAACA AAAGACCCGC CCCCAGATGAC GCGGATAAAA
AAV2  CAAAAAGGGT GGAGCCAAGA AAAGACCCGC CCCCAGATGAC GCAGATATAA
AAV3  CAGAAAGGGT GGAGCTAAGA AACGCCCCGC CTCCAATGAC GCGGATGTAA
AAV8  CAGAAAGGGC GGAGCCAGCA AAAGACCCGC CCCCAGATGAC GCGGATAAAA
AAV9  CAGAAAGGGC GGAGCCAGCA AAAGACCCGC CCCCAGATGAC GCGGATAAAA
AAV7  CAGAAAGGGC GGAGCCAGCA AAAGACCCGC CCCCAGATGAC GCGGATATAA
44_2  CAGAAAGGGT GGAGCCAACA AGAGACCCGC CCCCAGATGAC GCGGATAAAA
P40/TATA

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Fig. 1AL

	1851				1900
				P40 RNA	
42_2	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
42_8	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
42_15	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
42_5b	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
42_1b	.....	.....	.....	.....	.....
42_13	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
42_3a	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
42_4	.....	.....	.....	.....	.....
42_5a	GCGAGCCCAA	GCGGGCCCGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
42_6b	CTGTACGTG	AGTGCTTTTG	CGACATTTTG	C..ATCCATC	GACGTCAGAC
43_1	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
43_5	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
43_12	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
43_20	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
43_21	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
43_23	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
43_25	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
44_1	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
44_5	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	ATGAGCCCAA	GCGGGCGCGC	GAGTCAGTTG	CGCAGCCATC	GACGTCAGAC
A3_5	ATGAGCCCAA	GCGGGCGCGC	GAGTCAGTTG	CGCAGCCATC	GACGTCAGAC
A3_7	ATGAGCCCAA	GCGGGCGCGC	GAGTCAGTTG	CGCAGCCATC	GACGTCAGAC
A3_3	ATGAGCCCAA	GCGGGCGCGC	GAGTCAGTTG	CGCAGCCATC	GACGTCAGAC
42_12	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
AAV1	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
AAV2	GTGAGCCCAA	ACGGGTGCGC	GAGTCAGTTG	CGCAGCCATC	GACGTCAGAC
AAV3	GCGAGCCCAA	ACGGGAGTGC	ACGTCAGTTG	CGCAGCCGAC	AACGTCAGAC
AAV8	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
AAV9	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
AAV7	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC
44_2	GCGAGCCCAA	GCGGGCCTGC	CCCTCAGTCG	CGGATCCATC	GACGTCAGAC

P40 RNA

Fig. 1AM

	1901				1950
42_2	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
42_8	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
42_15	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
42_5b	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
42_1b	.....	.....	.....	.....	.....
42_13	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
42_3a	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
42_4	.....	.....	.....	.....	.....
42_5a	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
42_10	.....	.....	.....	.....	.....
42_3b	.....	.....	.....	.....	.....
42_11	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
42_6b	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
43_1	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
43_5	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
43_12	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
43_20	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
43_21	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
43_23	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
43_25	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
44_1	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
44_5	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	GCGGA...AG	CTTCGATAAA	CTACGCGGGC	AGGTACCAA	ACAAATGTTT
A3_5	GCGGA...AG	CTTCGATAAA	CTACGCGGAC	AGGTACCAA	ACAAATGTTT
A3_7	GCGGA...AG	CTTCGATAAA	CTACGCGGAC	AGGTACCAA	ACAAATGTTT
A3_3	GCGGA...AG	CTTCGATAAA	CTACGCGGAC	AGGTACCAA	ACAAATGTTT
42_12	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
AAV1	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
AAV2	GCGGA...AG	CTTCGATCAA	CTACGCAGAC	AGGTACCAA	ACAAATGTTT
AAV3	GCGGA...AG	CACCGGCGGA	CTACGCGGAC	AGGTACCAA	ACAAATGTTT
AAV8	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
AAV9	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
AAV7	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT
44_2	GCGGAAGGAG	CTCCGGTGGA	CTTTGCCGAC	AGGTACCAA	ACAAATGTTT

Fig. 1AN

	1951				2000
42_2	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
42_8	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
42_15	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
42_5b	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
42_1b	.....	.....	....GAATTC	GCCCTT....	.GGCTGCGTC
42_13	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
42_3a	TCGTCACGCG	GGCATGCTTC	AGATGCTGCT	TCCCTG.CAA	GACATGCGAG
42_4	.....	.....	....GAATTC	GCCCTTTCTA	CGGCTGCGTC
42_5a	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	AACATGCGAG
42_10	.....	.....	....GAATTC	GCCCTTTCTA	CGGCTGCGTC
42_3b	.....	.....	....GAATTC	GCCCTTTCTA	CGGCTGCGTC
42_11	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
42_6b	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
43_1	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	AACGTGCGAG
43_5	TCGTCACGCG	GGCATGCTTC	AGACGCTGTT	TCCCTG.CAA	AACGTGCGAG
43_12	TCGTCACGCG	GGCATGCTCC	AGATGCTGTT	TCCCTG.CAA	AACGTGCGAG
43_20	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
43_21	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
43_23	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
43_25	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
44_1	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	AACATGCGAG
44_5	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	AACATGCGAG
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	TCGTCACGTG	GGCATGAATC	TGATGCTGTT	TCCCTG.TCG	ACAATGCGAA
A3_5	TCGTCACGTG	GGCATGAATC	TGATGCTGTT	TCCCTG.TCG	ACAATGCGAA
A3_7	TCGTCACGTG	GGCATGAATC	TGATGCTGTT	TCCCTG.TCG	ACAATGCGAA
A3_3	TCGTCACGTG	GGCATGAATC	TGATGCTGTT	TCCCTG.TCG	ACAATGCGAA
42_12	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
AAV1	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	GACATGCGAG
AAV2	TCGTCACGTG	GGCATGAATC	TGATGCTGTT	TCCCTG.CAG	ACAATGCGAG
AAV3	TCGTCACGTG	GGCATGAATC	TGATGCTTTT	TCCCTG.TAA	AACATGCGAG
AAV8	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	AACGTGCGAG
AAV9	TCGTCACGCG	GGCATGCTTC	AGATGCTGCT	TCCCTG.CAA	AACGTGCGAG
AAV7	TCGTCACGCG	GGCATGATTC	AGATGCTGTT	TCCCTG.CAA	AACGTGCGAG
44_2	TCGTCACGCG	GGCATGCTTC	AGATGCTGTT	TCCCTG.CAA	AACATGCGAG

Fig. 1AO

	2001				2050
42_2	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
42_8	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
42_15	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCGCGGGA	CCAGAGACTG
42_5b	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
42_1b	A.ACTGGACC	A..ATGAGAA	CTTCCCTTC	A.....A	CGATTGCGTC
42_13	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
42_3a	AGAATGAATC	AGAATTTCAG	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
42_4	A.ACTGGACC	A..ATGAGAA	CTTCCCTTC	A.....A	CGATTGCGTC
42_5a	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
42_10	A.ACTGGACC	A..ATGAGAA	CTTCCCTTC	A.....A	CGATTGCGTC
42_3b	A.ACTAGACC	A..ATGAGAA	CTTCCCTTC	A.....A	CGATTGCGTC
42_11	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCGAGACTG
42_6b	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
43_1	AAAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGG	TCAGAGACTG
43_5	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGG	TCAGAGACTG
43_12	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGG	TCAGAGACTG
43_20	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
43_21	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
43_23	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
43_25	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
44_1	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
44_5	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	AGAATGAATC	AGAATTCAAA	TATCTGCTTC	ACACACGGGC	AAAAAGACTG
A3_5	AGAATGAATC	AGAATTCAAA	TATCTGCTTC	ACACACGGGC	AAAAAGACTG
A3_7	AGAATGAATC	AGAATTCAAA	TATCTGCTTC	ACACACGGGC	AAAAAGACTG
A3_3	AGAATGAATC	AGAATTCAAA	TATCTGCTTC	ACACACGGGC	AAAAAGACTG
42_12	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG
AAV1	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CGAGAGACTG
AAV2	AGAATGAATC	AGAATTCAAA	TATCTGCTTC	ACTCACGGAC	AGAAAGACTG
AAV3	AGAATGAATC	AAATTTCCAA	TGTCTGTTTT	ACGCATGGTC	AAAGAGACTG
AAV8	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACACACGGGG	TCAGAGACTG
AAV9	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACACACGGGG	TCAGAGACTG
AAV7	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACACACGGGG	TCAGAGACTG
44_2	AGAATGAATC	AGAATTTCAA	CATTGCTTC	ACGCACGGGA	CCAGAGACTG

Fig. 1AP

	2051				2100
42_2	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
42_8	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
42_15	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
42_5b	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
42_1b	GACAAGATGG	TGATCTGGTG	GG..AGGAGG	GCAAGA....	..TGACGGCC
42_13	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
42_3a	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
42_4	GACAAGATGG	TGATCTGGTG	GG..AGGAGG	GCAAGA....	..TGACGGCC
42_5a	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
42_10	GACAAGATGG	TGATCTGGTG	GG..AGGAGG	GCAAGA....	..TGACGGCC
42_3b	GACAAGATGG	TGATCTGGTG	GG..AGGAGG	GCAAGA....	..TGACGGCC
42_11	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
42_6b	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
43_1	CTCAGAATGT	TTCCCCGGTG	CATCAGAATC	TCAACC....	..GGTCGTCA
43_5	CTCAGAATGT	TTCCCCGGTG	CATCAGAATC	TCAACC....	..GGTCGTCA
43_12	CTCAGAATGT	TTCCCCGGTG	CATCAGAATC	TCAACC....	..GGTCGTCA
43_20	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
43_21	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
43_23	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
43_25	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
44_1	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
44_5	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTTGTCA
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	TTTGGAATGC	TTTCCCG...	TGTCAGAATC	TCAACCCGTT	TCTGTCTGTCA
A3_5	TTTGGAATGC	TTTCCCG...	TGTCAGAATC	TCAACCCGTT	CCTGTCTGTCA
A3_7	TTTGGAATGC	TTTCCCG...	TGTCAGAATC	TCAACCCGTT	TCTGTCTGTCA
A3_3	TTTGGAATGC	TTTCCCG...	TGTCAGAATC	TCAACCCGTT	TCTGTCTGTCA
42_12	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
AAV1	TTCAGAGTGC	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
AAV2	TTTAGAGTGC	TTTCCCG...	TGTCAGAATC	TCAACCCGTT	TCTGTCTGTCA
AAV3	TGGGGAATGC	TTCCCTGGAA	TGTCAGAATC	TCAACCCGTT	TCTGTCTGTCA
AAV8	CTCAGAGTGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
AAV9	CTCAGAGTGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
AAV7	TTTAGAGTGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA
44_2	TTCAGAATGT	TTCCCCGGCG	TGTCAGAATC	TCAACC....	..GGTCGTCA

Fig. 1AQ

	2101				2150
42_2	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
42_8	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTAGGG.CG
42_15	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
42_5b	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
42_1b	.AAGGTCGTG	GAGTCCGCCA	AG...GCCA	TTCATCATCT	GCTGGGG.CG
42_13	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
42_3a	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
42_4	.AAGGTCGTG	GAGTCCGCCA	AG...GCCA	TTCATCATCT	GCTGGGG.CG
42_5a	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
42_10	AA...GGTC	GTGAAGTCCG	CCAAG.GCCA	TTCATCATCT	GCTGGGG.CG
42_3b	AA...GGTC	GTGGAGTCCG	CCAAG.GCCA	TTCATCATCT	GCTGGGG.CG
42_11	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
42_6b	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
43_1	GAAAAAAAC	GTATCAGAAA	CTGTGTGCCA	TTCATCATCT	GCTGGGG.CG
43_5	GAAAAAAAC	GTATCAGAAA	CTGTGTGCCA	TTCATCATCT	GCTGGGG.CG
43_12	GAAAAAAAC	GTATCAGAAA	CTGTGTGCCA	TTCATCATCT	GCTGGGG.CG
43_20	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
43_21	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
43_23	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
43_25	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
44_1	GAAAAAAGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
44_5	GAAAAAAGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	GAAAAACG..	.TATCAGAAA	CTTTGTTACA	TTCATCATAT	CATGGGA.AA
A3_5	GAAAAACG..	.TATCAGAAA	CTTTGTTACA	TTCATCATAT	CATGGGA.AA
A3_7	GAAAAACG..	.TATCAGAAA	CTTTGTTACA	TTCATCATAT	CATGGGA.AA
A3_3	GAAAAACG..	.TATCAGAAA	CTTTGTTACA	TTCATCATAT	CATGGGA.AA
42_12	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
AAV1	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
AAV2	AAAAGGCG..	.TATCAGAAA	CTGTGCTACA	TTCATCATAT	CATGGGA.AA
AAV3	AAAAGAAGAC	TTATCAGAAA	CTGTGTCCAA	TTCATCATAT	CCTGGGA.AG
AAV8	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
AAV9	GAAAGAGGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
AAV7	GAAAAAAGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGG.CG
44_2	GAAAAAAGAC	GTATCGGAAA	CTCTGTGCCA	TTCATCATCT	GCTGGGGGCG

Fig. 1AR

	2151				2200
42_2	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_8	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_15	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_5b	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_1b	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_13	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_3a	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_4	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_5a	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_10	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_3b	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_11	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
42_6b	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
43_1	GGCACCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
43_5	GGCACCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
43_12	GGCACCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
43_20	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
43_21	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
43_23	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
43_25	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
44_1	GGCACCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTAG
44_5	GGCACCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTAG
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	AGAACCAGAC	...GCCTGCA	CTGCCTGCGA	CCTGGTAAAT	GTGGACTTGG
A3_5	AGTACCAGAC	...GCCTGCA	CTGCCTGCGA	CCTGGTAAAT	GTGGACTTGG
A3_7	AGTACCAGAC	...GCCTGCA	CTGCCTGCGA	CCTGGTAAAT	GTGGACTTGG
A3_3	AGTACCAGAC	...GCCTGCA	CTGCCTGCGA	CCTGGTAAAT	GTGGACTTGG
42_12	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
AAV1	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
AAV2	GGTGCCAGAC	...GCTTGCA	CTGCCTGCGA	TCTGGTCAAT	GTGGATTTGG
AAV3	GGCACCCGAG	ATTGCCTGTT	CGGCCTGCGA	TTTGGCCAAT	GTGGACTTGG
AAV8	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
AAV9	GGCTCCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTGG
AAV7	GGCGCCCGAG	ATTGCTTGCT	CGGCCTGCGA	CCTGGTCAAC	GTGGACCTGG
44_2	GGCACCCGAG	ATTGCTTGCT	CGGCCTGCGA	TCTGGTCAAC	GTGGACCTAG

Fig. 1AS

2201

2250

			Rep 78 stop	vpl start
42_2	ATGACCGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_8	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_15	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_5b	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_1b	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_13	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_3a	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_4	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_5a	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_10	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_3b	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_11	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
42_6b	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
43_1	ACGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
43_5	ACGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
43_12	ACGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
43_20	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
43_21	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
43_23	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
43_25	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
44_1	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
44_5	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
223_10	.....	.....	.....	.....
223_2	.....	.....	.....	.....
223_4	.....	.....	.....	.....
223_5	.....	.....	.....	.....
223_6	.....	.....	.....	.....
223_7	.....	.....	.....	.....
A3_4	ATGACTGTAT	TTCTGAGCAA	TAAATGACTT	AAATCAGGTA TGGCTGCTGA
A3_5	ATGACTGTAT	TTCTGAGCAA	TAAATGACTT	AAATCAGGTA TGGCTGCTGA
A3_7	ATGACTGTAT	TTCTGAGCAA	TAAATGACTT	AAATCAGGTA TGGCTGCTGA
A3_3	ATGACTGTAT	TTCTGAGCAA	TAAATGACTT	AAATCAGGTA TGGCTGCTGA
42_12	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
AAV1	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
AAV2	ATGACTGCAT	CTTTGAACAA	TAAATGATTT	AAATCAGGTA TGGCTGCCGA
AAV3	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCTGA
AAV8	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
AAV9	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
AAV7	ACGACTGCGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA
44_2	ATGACTGTGT	TTCTGAGCAA	TAAATGACTT	AAACCAGGTA TGGCTGCCGA

Rep78 stop

vpl start

Fig. 1AT

	2251				2300
				Rep68 stop	
42_2	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_8	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_15	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_5b	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_1b	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_13	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_3a	TGGTCATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_4	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_5a	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_10	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_3b	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_11	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
42_6b	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
43_1	TGGTTATCTT	CCAGATTGGC	TTGAGGACAA	CCTCTCTGAG	GGCATTGCGG
43_5	TGGTTATCTT	CCAGATTGGC	TTGAGGACAA	CCTCTCTGAG	GGCATTGCGG
43_12	TGGTTATCTT	CCAGATTGGC	TTGAGGACAA	CCTCTCTGAG	GGCATTGCGG
43_20	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
43_21	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
43_23	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
43_25	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
44_1	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
44_5	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	CGGTTATCTT	CCAGATTGGC	TCGAGGACAC	TCTCTCTGAA	GGAATCAGAC
A3_5	CGGTTATCTT	CCAGATTGGC	TCGAGGACAC	TCTCTCTGAA	GGAATCAGAC
A3_7	CGGTTATCTT	CCAGATTGGC	TCGAGGACAC	TCTCTCTGAA	GGAATCAGAC
A3_3	CGGTTATCTT	CCAGATTGGC	TCGAGGACAC	TCTCTCTGAA	GGAATCAGAC
42_12	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATCCGCG
AAV1	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
AAV2	TGGTTATCTT	CCAGATTGGC	TCGAGGACAC	TCTCTCTGAA	GGAATAAGAC
AAV3	CGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTTTCTGAA	GGCATTGCGG
AAV8	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
AAV9	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
AAV7	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
44_2	TGGTTATCTT	CCAGATTGGC	TCGAGGACAA	CCTCTCTGAG	GGCATTGCGG
				Rep 68 stop	

Fig. 1AU

	2301				2350
42_2	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_8	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_15	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_5b	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_1b	AGTGGTGGGA	CTTGAGACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_13	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_3a	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_4	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_5a	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_10	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_3b	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_11	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
42_6b	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
43_1	AGTGGTGGGA	CCTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
43_5	AGTGGTGGGA	CCTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
43_12	AGTGGTGGGA	CCTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
43_20	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
43_21	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
43_23	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
43_25	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
44_1	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
44_5	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	AGTGGTGGAA	GCTCAAACCT	GGCCCACCAC	CGCCGAAACC	TAACCAACAA
A3_5	AGTGGTGGAA	GCTCAAACCT	GGCCCACCAC	CGCCGAAACC	TAACCAACAA
A3_7	AGTGGTGGAA	GCTCAAACCT	GGCCCACCAC	CGCCGAAACC	TAACCAACAA
A3_3	AGTGGTGGAA	GCTCAAACCT	GGCCCACCAC	CGCCGAAACC	TAACCAACAA
42_12	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
AAV1	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AGCCCAAAGC	CAACCAGCAA
AAV2	AGTGGTGGAA	GCTCAAACCT	GGCCCACCAC	CACCAAAGCC	CGCAGAGCGG
AAV3	AGTGGTGGGC	TCTGAAACCT	GGAGTCCCTC	AACCCAAAGC	GAACCAACAA
AAV8	AGTGGTGGGC	GCTGAAACCT	GGAGCCCCGA	AGCCCAAAGC	CAACCAGCAA
AAV9	AGTGGTGGGC	GCTGAAACCT	GGAGCCCCGA	AGCCCAAAGC	CAACCAGCAA
AAV7	AGTGGTGGGA	CCTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA
44_2	AGTGGTGGGA	CTTGAAACCT	GGAGCCCCGA	AACCCAAAGC	CAACCAGCAA

Fig. 1AV

	2351				2400
42_2	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_8	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_15	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_5b	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_1b	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_13	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_3a	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_4	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_5a	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_10	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_3b	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_11	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
42_6b	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
43_1	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
43_5	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
43_12	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
43_20	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
43_21	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
43_23	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
43_25	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
44_1	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
44_5	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	CACCGGGACG	ACAGTAGGGG	TCTTGTGCTT	CCTGGGTACA	AGTACCTCGG
A3_5	CACCGGGACG	ACAGTAGGGG	TCTTGTGCTT	CCTGGGTACA	AGTACCTCGG
A3_7	CACCGGGACG	ACAGTAGGGG	TCTTGTGCTT	CCTGGGTACA	AGTACCTCGG
A3_3	CACCGGGACG	ACAGTAGGGG	TCTTGTGCTT	CCTGGGTACA	AGTACCTCGG
42_12	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
AAV1	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
AAV2	CATAAGGACG	ACAGCAGGGG	TCTTGTGCTT	CCTGGGTACA	AGTACCTCGG
AAV3	CACCAGGACA	ACCGTCGGGG	TCTTGTGCTT	CCGGGTACA	AATACCTCGG
AAV8	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
AAV9	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
AAV7	AAGCAGGACA	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG
44_2	AAGCAGGACG	ACGGCCGGGG	TCTGGTGCTT	CCTGGCTACA	AGTACCTCGG

Fig. 1AW

	2401				2450
42_2	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
42_8	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
42_15	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
42_5b	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
42_1b	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCGGACGCCG
42_13	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
42_3a	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
42_4	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
42_5a	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
42_10	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
42_3b	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
42_11	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGCG	GCGGACGCAG
42_6b	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
43_1	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
43_5	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
43_12	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
43_20	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
43_21	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
43_23	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
43_25	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
44_1	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
44_5	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
223_10	.....	.....	.....	.....	.....
223_2	.....	.....	.....	.....	.....
223_4	.....	.....	.....	.....	.....
223_5	.....	.....	.....	.....	.....
223_6	.....	.....	.....	.....	.....
223_7	.....	.....	.....	.....	.....
A3_4	ACCCTTCAAC	GGACTCGACA	AAGGAGAGCC	GGTCAACGAG	GCAGACGCCG
A3_5	ACCCTTCAAC	GGACTCGACA	AAGGAGAGCC	GGTCAACGAG	GCAGACGCCG
A3_7	ACCCTTCAAC	GGACTCGACA	AAGGAGAGCC	GGTCAACGAG	GCAGACGCCG
A3_3	ACCCTTCAAC	GGACTCGACA	AAGGAGAGCC	GGTCAACGAG	GCAGACGCCG
42_12	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
AAV1	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
AAV2	ACCCTTCAAC	GGACTCGACA	AGGGGAGAGCC	GGTCAACGAG	GCAGACGCCG
AAV3	ACCCGGTAAC	GGACTCGACA	AAGGAGAGCC	GGTCAACGAG	GCGGACGCGG
AAV8	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
AAV9	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
AAV7	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG
44_2	ACCCTTCAAC	GGACTCGACA	AGGGGGAGGCC	CGTCAACGCG	GCGGACGCAG

Fig. 1AX

	2451				2500
42_2	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
42_8	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
42_15	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
42_5b	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
42_1b	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
42_13	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
42_3a	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
42_4	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
42_5a	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
42_10	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
42_3b	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
42_11	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
42_6b	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
43_1	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
43_5	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
43_12	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
43_20	CGGCCCTCGA	GCACG.ACAA	AGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
43_21	CGGCCCTCGA	GCACG.ACAA	AGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
43_23	CGGCCCTCGA	GCACG.ACAA	AGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
43_25	CGGCCCTCGA	GCACG.ACAA	AGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
44_1	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
44_5	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
223_10	.....	.....CAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
223_2	.....	.....CAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
223_4	.....	.....CAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
223_5	.....	.....CAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
223_6	.....	.....CAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
223_7	.....	.....CAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
A3_4	CGGCCCTCGA	GCACG.ACAA	AGCCTACGAC	CACCAGCTCA	AGCAAGGGGA
A3_5	CGGCCCTCGA	GCACG.ACAA	AGCCTACGAC	CACCAGCTCA	AGCAAGGGGA
A3_7	CGGCCCTCGA	GCACG.ACAA	AGCCTACGAC	CACCAGCTCA	AGCAAGGGGA
A3_3	CGGCCCTCGA	GCACG.ACAA	AGCCTACGAC	CACCAGCTCA	AGCAAGGGGA
42_12	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	AAGCAGCTCG	AGCAGGGGGA
AAV1	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
AAV2	CGGCCCTCGA	GCACGTACAA	AGCCTACGAC	CGGCAGCTCG	ACAGCGGAGA
AAV3	CAGCCCTCGA	ACACG.ACAA	AGCTTACGAC	CAGCAGCTCA	AGGCCGGTGA
AAV8	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTGC	AGGCCGGTGA
AAV9	CGGCCCTCGA	GCACG.GCAA	GGCCTACGAC	CAGCAGCTGC	AGGCCGGTGA
AAV7	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA
44_2	CGGCCCTCGA	GCACG.ACAA	GGCCTACGAC	CAGCAGCTCA	AAGCGGGTGA

Fig. 1AY

	2501				2550
42_2	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_8	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_15	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_5b	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_1b	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_13	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_3a	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_4	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_5a	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_10	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_3b	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_11	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
42_6b	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
43_1	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
43_5	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
43_12	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
43_20	CAATCCGTAC	CTGCGGTATA	ATCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
43_21	CAATCCGTAC	CTGCGGTATA	ATCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
43_23	CAATCCGTAC	CTGCGGTATA	ATCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
43_25	CAATCCGTAC	CTGCGGTATA	ATCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
44_1	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
44_5	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
223_10	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
223_2	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGTGTC
223_4	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
223_5	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
223_6	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
223_7	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
A3_4	CAACCCGTAC	CTCAAATACA	ACCACGCCGA	CGCTGAATTT	CAGGAGCGTC
A3_5	CAACCCGTAC	CTCAAATACA	ACCACGCCGA	CGCTGAATTT	CAGGAGCGTC
A3_7	CAACCCGTAC	CTCAAATACA	ACCACGCCGA	CGCTGAATTT	CAGGAGCGTC
A3_3	CAACCCGTAC	CTCAAATACA	ACCACGCCGA	CGCTGAATTT	CAGGAGCGTC
42_12	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
AAV1	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
AAV2	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
AAV3	CAACCCGTAC	CTCAAGTACA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
AAV8	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
AAV9	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
AAV7	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC
44_2	CAATCCGTAC	CTGCGGTATA	ACCACGCCGA	CGCCGAGTTT	CAGGAGCGTC

Fig. 1AZ

	2551				2600
42_2	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_8	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_15	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_5b	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_1b	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_13	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_3a	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_4	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_5a	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCGG
42_10	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_3b	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_11	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_6b	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
43_1	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
43_5	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
43_12	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
43_20	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
43_21	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
43_23	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
43_25	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
44_1	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
44_5	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
223_10	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
223_2	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
223_4	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
223_5	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
223_6	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
223_7	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
A3_4	TTCAAGAAGA	TACGTCTTTC	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
A3_5	TTCAAGAAGA	TACGTCTTTC	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
A3_7	TTCAAGAAGA	TACGTCTTTC	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
A3_3	TTCAAGAAGA	TACGTCTTTC	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
42_12	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
AAV1	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
AAV2	TTAAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGACGAGC	AGTCTTCCAG
AAV3	TTCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TTGGCAGAGC	AGTCTTCCAG
AAV8	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
AAV9	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
AAV7	TGCAAGAAGA	TACGTCATTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG
44_2	TGCAAGAAGA	TACGTCTTTT	GGGGGCAACC	TCGGGCGAGC	AGTCTTCCAG

Fig. 1AAA

	2601				2650
42_2	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_8	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_15	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_5b	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_1b	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_13	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_3a	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_4	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_5a	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_10	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_3b	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_11	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
42_6b	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
43_1	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
43_5	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
43_12	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
43_20	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
43_21	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
43_23	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
43_25	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
44_1	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
44_5	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
223_10	GCCAAAAAGC	GGGTTCTCGA	ACCTCTTGGT	CTGGTTGAGA	CGCCAGCTAA
223_2	GCCAAAAAGC	GGGTTCTCGA	ACCTCTTGGT	CTGGTTGAGA	CGCCAGCTAA
223_4	GCCAAAAAGC	GGGTTCTCGA	ACCTCTTGGT	CTGGTTGAGA	CGCCAGCTAA
223_5	GCCAAAAAGC	GGGTTCTCGA	ACCTCTTGGT	CTGGTTGAGA	CGCCAGCTAA
223_6	GCCAAAAAGC	GGGTTCTCGA	ACCTCTTGGT	CTGGTTGAGA	CGCCAGCTAA
223_7	GCCAAAAAGC	GGGTTCTCGA	ACCTCTTGGT	CTGGTTGAGA	CGCCAGCTAA
A3_4	GCCAAAAAGA	GGGTACTCGA	GCCTCTTGGT	CTGGTTGAGG	AAGCTGTTAA
A3_5	GCCAAAAAGA	GGGTACTCGA	GCCTCTTGGT	CTGGTTGAGG	AAGCTGTTAA
A3_7	GCCAAAAAGA	GGGTACTCGA	GCCTCTTGGT	CTGGTTGAGG	AAGCTGTTAA
A3_3	GCCAAAAAGA	GGGTACTCGA	GCCTCTTGGT	CTGGTTGAGG	AAGCTGTTAA
42_12	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
AAV1	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
AAV2	GCGAAAAAGA	GGGTTCTTGA	ACCTCTGGGC	CTGGTTGAGG	AACCTGTTAA
AAV3	GCCAAAAAGA	GGATCCTTGA	GCCTCTTGGT	CTGGTTGAGG	AAGCAGCTAA
AAV8	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
AAV9	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
AAV7	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA
44_2	GCCAAGAAGC	GGGTTCTCGA	ACCTCTCGGT	CTGGTTGAGG	AAGGCGCTAA

Fig. 1AAB

2651

2700

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      vp2 start
42_2  GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_8  GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
42_15 GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
42_5b GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
42_1b GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_13 GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_3a GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_4  GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_5a GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_10 GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_3b GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_11 GACGGCTCCT GGAAAGAAGA GACCCATAGA ...ATCCCCC .....
42_6b GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
43_1  GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCT CAGCGTTCCC
43_5  GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCT CAGCGTTCCC
43_12 GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCT CAGCGTTCCC
43_20 GACGGCTCCT GGAAAGAAGA GACTGGTAGA GCAGTCGCCA CAAGAG...C
43_21 GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCAGTCGCCA CAAGAG...C
43_23 GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCAGTCGCCA CAAGAG...C
43_25 GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCAGTCGCCA CAAGAG...C
44_1  GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
44_5  GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
223_10 GACGGCACCT GGAAAGAAGC GACCGGTAGA CTCGCCA... .....
223_2  GACGGCACCT GGAAAGAAGC GACCGGTAGA CTCGCCA... .....
223_4  GACGGCACCT GGAAAGAAGC GACCGGTAGA CTCGCCA... .....
223_5  GACGGCACCT GGAAAGAAGC GACCGGTAGA CTCGCCA... .....
223_6  GACGGCACCT GGAAAGAAGC GACCGGTAGA CTCGCCA... .....
223_7  GACGGCACCT GGAAAGAAGC GACCGGTAGA CTCGCCA... .....
A3_4  GACGGCTCCT GGAAAAAAGA GACCTATAGA GCAGTCTCCT GCAGAA...C
A3_5  GACGGCTCCT GGAAAAAAGA GACCTATAGA GCAGTCTCCT GCAGAA...C
A3_7  GACGGCTCCT GGAAAAAAGA GACCTATAGA GCAGTCTCCT GCAGAA...C
A3_3  GACGGCTCCT GGAAAAAAGA GACCTATAGA GCAGTCTCCT GCAGAA...C
42_12 GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
AAV1  GACGGCTCCT GGAAAGAAAC GTCCGGTAGA GCAGTCGCCA CAAGAG...C
AAV2  GACGGCTCCG GGAAAAAAGA GGCCGGTAGA GCACTCTCCT GTGGAG...C
AAV3  AACGGCTCCT GGAAAGAAGG GGGCTGTAGA TCAGTCTCCT CAGGAA...C
AAV8  GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
AAV9  GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
AAV7  GACGGCTCCT GCAAAGAAGA GACCGGTAGA GCCGTCACCT CAGCGTTCCC
44_2  GACGGCTCCT GGAAAGAAGA GACCGGTAGA GCCATCACCC CAGCGTTCTC
      vp2 start

```

Fig. 1AAC

	2701				2750
42_2	..GACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_8	CAGACTCCTC	TACGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCGAAAAAG
42_15	CAGACTCCTC	TACGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCGAAAAAG
42_5b	CAGACTCCTC	TACGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCGAAAAAG
42_1b	..GACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_13	..GACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_3a	..GACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_4	..GACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_5a	..GACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_10	..GACTCCTC	CACGGGCATC	GGCAGGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_3b	..GACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_11	..GACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCTAAAAAG
42_6b	CAGACTCCTC	TACGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCGAAAAAG
43_1	CCGACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCACCAGCC	CGCGAGAAAG
43_5	CCGACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCACCAGCC	CGCGAGAAAG
43_12	CCGACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCACCAGCC	CGCGAGAAAG
43_20	CAGACTCCTC	CTCGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCTAAAAAG
43_21	CAGACTCCTC	CTCGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCTAAAAAG
43_23	CAGACTCCTC	CTCGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCTAAAAAG
43_25	CAGACTCCTC	CTCGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCTAAAAAG
44_1	CAGACTCCTC	TACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG
44_5	CAGACTCCTC	TACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG
223_10	..GACTCCAC	CTCGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG
223_2	..GACTCCAC	CTCGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG
223_4	..GACTCCAC	CTCGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG
223_5	..GACTCCAC	CTCGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG
223_6	..GACTCCAC	CTCGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG
223_7	..GACTCCAC	CTCGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG
A3_4	CGGACTCTTC	CTCGGGCATC	GGCGAATCAG	GCCAGCAGCC	CGCTAAGAAA
A3_5	CGGACTCTTC	CTCGGGCATC	GGCAAATCAG	GCCAGCAGCC	CGCTAAGAAA
A3_7	CGGACTCTTC	CTCGGGCATC	GGCAAATCAG	GCCAGCAGCC	CGCTAAGAAA
A3_3	CGGACTCTTC	CTCGGGCATC	GGCAAATCAG	GCCAGCAGCC	CGCTAAGAAA
42_12	CAGACTCCTC	TACGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCGAAAAAG
AAV1	CAGACTCCTC	CTCGGGCATC	GGCAAGACAG	GCCAGCAGCC	CGCTAAAAAG
AAV2	CAGACTCCTC	CTCGGGAACC	GGAAAGGCGG	GCCAGCAGCC	TGCAAGAAAA
AAV3	CGGACTCATC	ATCTGGTGTT	GGCAAATCGG	GCAAAACAGCC	TGCCAGAAAA
AAV8	CAGACTCCTC	TACGGGCATC	GGCAAGAAAG	GCCAACAGCC	CGCCAGAAAA
AAV9	CAGACTCCTC	TACGGGCATC	GGCAAGAAAG	GCCAACAGCC	CGCCAGAAAA
AAV7	CCGACTCCTC	CACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCCAGAAAG
44_2	CAGACTCCTC	TACGGGCATC	GGCAAGAAAG	GCCAGCAGCC	CGCGAAAAAG

Fig. 1AAD

	2751				2800
42_2	AAGCTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCCCA
42_8	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_15	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_5b	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_1b	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_13	AAGCTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_3a	AAGCTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_4	AAGCTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_5a	AAGCTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCCCA
42_10	AAGCTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_3b	AAGCTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_11	AAGCTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
42_6b	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
43_1	AGACTGAACT	TTGGGCAGAC	TGGCGACTCG	GAGTCAGTCC	CCGACCCTCA
43_5	AGACTGAACT	TTGGGCAGAC	TGGCGACTCG	GAGTCAGTCC	CCGACCCTCA
43_12	AGACTGAACT	TTGGGCAGAC	TGGCGACTCG	GAGTCAGTCC	CCGACCCTCA
43_20	AGACTCAATT	TTGGTCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCACA
43_21	AGACTCAATT	TTGGTCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCACA
43_23	AGACTCAATT	TTGGTCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCACA
43_25	AGACTCAATT	TTGGTCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCACA
44_1	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
44_5	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
223_10	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCTCA
223_2	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCTCA
223_4	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGCCAGTCC	CCGACCCTCA
223_5	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGCCAGTCC	CCGACCCTCA
223_6	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCTCA
223_7	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCTCA
A3_4	AGACTCAATT	TTGGTCAGAC	TGGCGACACA	GAGTCAGTCC	CAGACCCTCA
A3_5	AGACTCAATT	TTGGTCAGAC	TGGCGACACA	GAGTCAGTCC	CAGACCCTCA
A3_7	AGACTCAATT	TTGGTCAGAC	TGGCGACACA	GAGTCAGTCC	CAGACCCTCA
A3_3	AGACTCAATT	TTGGTCAGAC	TGGCGACACA	GAGTCAGTCC	CAGGCCCTCA
42_12	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA
AAV1	AGACTCAATT	TTGGTCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGATCCACA
AAV2	AGATTGAATT	TTGGTCAGAC	TGGAGACGCA	GAATCAGTAC	CTGACCCCCA
AAV3	AGACTAAATT	TCGGTCAGAC	TGGAGACTCA	GAGTCAGTCC	CAGACCCTCA
AAV8	AGACTCAATT	TTGGTCAGAC	TGGCGACTCA	GAGTCAGTTC	CAGACCCTCA
AAV9	AGACTCAATT	TTGGTCAGAC	TGGCGACTCA	GAGTCAGTTC	CAGACCCTCA
AAV7	AGACTCAATT	TCGGTCAGAC	TGGCGACTCA	GAGTCAGTCC	CCGACCCTCA
44_2	AGACTCAACT	TTGGGCAGAC	TGGCGACTCA	GAGTCAGTGC	CCGACCCTCA

Fig. 1AAE

	2801				2850	
					vp3 start	
42_2	ACCTCTCGGA	GAACCTCCCG	CCGCGCCCTC	AGGTCTGGGA	TCTGGTACAA	
42_8	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_15	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_5b	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_1b	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGCACAA	
42_13	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_3a	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_4	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_5a	ACCTCTCGGA	GAACCTCCCG	CCGCGCCCTC	AGGTCTGGGA	TCTGGTACAA	
42_10	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_3b	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_11	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
42_6b	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
43_1	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
43_5	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
43_12	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
43_20	ACCTCTCGGA	GAACCTCCAG	CAGGCCCTC	AGGTCTGGGA	CCTAATACAA	
43_21	ACCTCTCGGA	GAACCTCCAG	CAGGCCCTC	AGGTCTGGGA	CCTAATACAA	
43_23	ACCTCTCGGA	GAACCTCCAG	CAGGCCCTC	AGGTCTGGGA	CCTAATACAA	
43_25	ACCTCTCGGA	GAACCTCCAG	CAGGCCCTC	AGGTCTGGGA	CCTAATACAA	
44_1	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
44_5	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
223_10	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
223_2	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
223_4	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
223_5	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
223_6	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
223_7	ACCAATCGGA	GAACCACCAG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
A3_4	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTGTGGGA	TCTAATACAA	
A3_5	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTGTGGGA	TCTAATACAA	
A3_7	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTGTGGGA	TCTAATACAA	
A3_3	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTGTGGGA	TCTAATACAA	
42_12	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
AAV1	ACCTCTCGGA	GAACCTCCAG	CAACCCCCGC	TGCTGTGGGA	CCTACTACAA	
AAV2	GCCTCTCGGA	CAGCCACCAG	CAGGCCCTC	TGGTCTGGGA	ACTAATACGA	
AAV3	ACCTCTCGGA	GAACCACCAG	CAGCCCCAC	AAGTTTGGGA	TCTAATACAA	
AAV8	ACCTCTCGGA	GAACCTCCAG	CAGCGCCCTC	TGGTGTGGGA	CCTAATACAA	
AAV9	ACCTCTCGGA	GAACCTCCAG	CAGCGCCCTC	TGGTGTGGGA	CCTAATACAA	
AAV7	ACCTCTCGGA	GAACCTCCAG	CAGCGCCCTC	TAGTGTGGGA	TCTGGTACAG	
44_2	ACCAATCGGA	GAACCCCCCG	CAGGCCCTC	TGGTCTGGGA	TCTGGTACAA	
					vp3 start	

Fig. 1AAF

2851 2900

vp3 start codon

42_2 TGGCTGCAGG CGGTGGCGCA CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_8 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_15 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_5b TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_1b TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_13 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_3a TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_4 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_5a TGGCTGCAGG CGGTGGCGCA CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_10 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_3b TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_11 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_6b TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 43_1 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 43_5 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 43_12 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 43_20 TGGCTTCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 43_21 TGGCTTCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 43_23 TGGCTTCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 43_25 TGGCTTCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 44_1 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 44_5 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 223_10 TGGCTGCAGG CGGTGGCGCA CCAATGGCTG ACAATAACGA GGGCGCCGAC
 223_2 TGGTTGCAGG CGGTGGCGCA CCAATGGCTG ACAATAACGA GGGCGCCGAC
 223_4 TGGCTGCAGG CGGTGGCGCA CCAATGGCTG ACAATAACGA GGGCGCCGAC
 223_5 TGGCTGCAGG CGGTGGCGCA CCAATGGCTG ACAATAACGA GGGCGCCGAC
 223_6 TGGCTGCAGG CGGTGGCGCA CCAATGGCTG ACAATAGCGA GGGCGCCGAC
 223_7 TGGCTGCAGG CGGTGGCGCA CCAATGGCTG ACAATAACGA GGGCGCCGAC
 A3_4 TGGCTTCAGG CGGTGGGGCA CCAATGGCAG ACGATAACGA AGGCGCCGAC
 A3_5 TGGCTTCAGG CGGTGGGGCA CCAATGGCAG ACAATAACGA AGGCGCCGAC
 A3_7 TGGCTTCAGG CGGTGGGGCA CCAATGGCAG ACAATAACGA AGGCGCCGAC
 A3_3 TGGCTTCAGG CGGTGGGGCA CCAATGGCAG ACAATAACGA AGGCGCCGAC
 42_12 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC
 AAV1 TGGCTTCAGG CGGTGGCGCA CCAATGGCAG ACAATAACGA AGGCGCCGAC
 AAV2 TGGCTACAGG CAGTGGCGCA CCAATGGCAG ACAATAACGA GGGCGCCGAC
 AAV3 TGGCTTCAGG CGGTGGCGCA CCAATGGCAG ACAATAACGA GGGTGCCGAT
 AAV8 TGGCTGCAGG CGGTGGCGCA CCAATGGCAG ACAATAACGA AGGCGCCGAC
 AAV9 TGGCTGCAGG CGGTGGCGCA CCAATGGCAG ACAATAACGA AGGCGCCGAC
 AAV7 TGGCTGCAGG CGGTGGCGCA CCAATGGCAG ACAATAACGA AGGTGCCGAC
 44_2 TGGCTGCAGG CGGTGGCGCT CCAATGGCAG ACAATAACGA AGGCGCCGAC

vp3 start codon (cont'd)

Fig. 1AAG

	2901				2950
42_2	GGAGTGGGTA	ATGCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_8	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_15	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_5b	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_1b	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_13	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_3a	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATAGCTGGG
42_4	GGAGTGGGTA	ATGCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_5a	GGAGTGGGTA	ATGCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_10	GGAGTGGGTA	ATGCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_3b	GGAGTGGGTA	ATGCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_11	GGAGTGGGTA	ATGCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
42_6b	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
43_1	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
43_5	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
43_12	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
43_20	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
43_21	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
43_23	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
43_25	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
44_1	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
44_5	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
223_10	GGAGTGGGTA	ATGCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
223_2	GGAGTGGGTA	ATGCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
223_4	GGAGTGGGTA	ATGCCTCAGG	AAATTGGCAT	TGCGATTCCA	CACGGCTGGG
223_5	GGAGTGGGTA	ATGCCTCAGG	AAATTGGCAT	TGCGATTCCA	CACGGCTGGG
223_6	GGAGTGGGTA	ATGCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
223_7	GGAGTGGGTA	ATGCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
A3_4	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGATGGG
A3_5	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGATGGG
A3_7	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGATGGG
A3_3	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGATGGG
42_12	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
AAV1	GGAGTGGGTA	ATGCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
AAV2	GGAGTGGGTA	ATTCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGATGGG
AAV3	GGAGTGGGTA	ATTCCTCAGG	AAATTGGCAT	TGCGATTCCC	AATGGCTGGG
AAV8	GGAGTGGGTA	GTTCCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
AAV9	GGAGTGGGTA	ATTCCTCGGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
AAV7	GGAGTGGGTA	ATGCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
AAV10	GGTA	ATTCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
AAV11	GGTA	ATTCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
AAV12	GGTA	ATTCCTCCGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG
44_2	GGAGTGGGTA	GTTCCCTCAGG	AAATTGGCAT	TGCGATTCCA	CATGGCTGGG

FIG. 1AAH

	2951				3000
42_2	CGACAGAGTC	ATCACCACCA	GCACCCGCAC	CTGGGGCCCTG	CCCACCTACA
42_8	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
42_15	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
42_5b	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
42_1b	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
42_13	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
42_3a	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
42_4	CGACAGAGTC	ATCACCACCA	GCACCCGCAC	CTGGGGCCCTG	CCCACCTACA
42_5a	CGACAGAGTC	ATCACCACCA	GCACCCGCAC	CTGGGGCCCTG	CCCACCTACA
42_10	CGACAGAGTC	ATCACCACCA	GCACCCGCAC	CTGGGGCCCTG	CCCACCTACA
42_3b	CGACAGAGTC	ATCACCACCA	GCACCCGCAC	CTGGGGCCCTG	CCCACCTACA
42_11	CGACAGAGTC	ATCACCACCA	GCACCCGCAC	CTGGGGCCCTG	CCCACCTACA
42_6b	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
43_1	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
43_5	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
43_12	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
43_20	GGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
43_21	GGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
43_23	GGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
43_25	GGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
44_1	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
44_5	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
223_10	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
223_2	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
223_4	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
223_5	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
223_6	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
223_7	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
A3_4	CGACAGAGTT	ATCACCACCA	GCACAAGAAC	CTGGGGCCCTC	CCCACCTACA
A3_5	CGACAGAGTT	ATCACCACCA	GCACAAGAAC	CTGGGGCCCTC	CCCACCTACA
A3_7	CGACAGAGTT	ATCACCACCA	GCACAAGAAC	CTGGGGCCCTC	CCCACCTACA
A3_3	CGACAGAGTT	ATCACCACCA	GCACAAGAAC	CTGGGGCCCTC	CCCACCTACA
42_12	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA
AAV1	CGACAGAGTC	ATCACCACCA	GCACCCGCAC	CTGGGGCCCTG	CCCACCTACA
AAV2	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
AAV3	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
AAV8	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
AAV9	GGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCATTG	CCCACCTACA
AAV7	CGACAGAGTC	ATTACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
AAV10	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
AAV11	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTG	CCCACCTACA
AAV12	CGACCGAGTC	ATTACCACCA	GCACCCGGAC	TTGGGGCCCTG	CCCACCTACA
44_2	CGACAGAGTC	ATCACCACCA	GCACCCGAAC	CTGGGGCCCTC	CCCACCTACA

Fig. 1AAI

	3001				3050
42_2	ACAACCACCT	CTACAAGCAG	ATATCAA..G	TCAGAGCGGG	GCT....ACC
42_8	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACC
42_15	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACC
42_5b	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACC
42_1b	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACC
42_13	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACC
42_3a	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACC
42_4	ACAACCACCT	CTACAAGCAG	ATATCAA...	.GTCAGAGCG	GGGC..TACC
42_5a	ACAACCACCT	CTACAAGCAG	ATATCAA...	.GTCAGAGCG	GGGC..TACC
42_10	ACAACCACCT	CTACAAGCAG	ATATCAA..G	TCAGAGCGGG	GCTA....CC
42_3b	ACAACCACCT	CTACAAGCAG	ATATCAA..G	TCAGAGCGGG	GCTA....CC
42_11	ACAACCACCT	CTACAAGCAG	ATATCAA..G	TCAGAGCGGG	GCTA....CC
42_6b	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACC
43_1	ACAACCATCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACT
43_5	ACAACCATCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACT
43_12	ACAACCATCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACT
43_20	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GCACCTCGGG	AGGAAGCACC
43_21	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GCACCTCGGG	AGGAAGCACC
43_23	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GCACCTCGGG	AGGAAGCACC
43_25	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GCACCTCGGG	AGGAAGCACC
44_1	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACTTCGGG	AGGAAGCACC
44_5	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACTTCGGG	AGGAAGCACC
223_10	ACAACCACCT	CTACAAGCAA	ATCTCCAGTC	AGTCAGCAGG	GAG...CACC
223_2	ACAACCACCT	CTACAAGCAA	ATCTCCAGTC	AGTCAGCAGG	GAG...CACC
223_4	ACAACCACCT	CTACAAGCAA	ATCTCCAGTC	AGTCAGCAGG	GAG...CACC
223_5	ACAACCACCT	CTACAAGCAA	ATCTCCAGTC	AGTCAGCAGG	GAG...CACC
223_6	ACAACCACCT	CTACAAGCAA	ATCTCCAGTC	AGTCAGCAGG	GAG...CACC
223_7	ACAACCACCT	CTACAAGCAA	ATCTCCAGTC	AGTCAGCAGG	GAG...CACC
A3_4	ATAATCACCT	CTACAAGCAA	ATCTCCA...	GCGAATCGGG	AGC...CACC
A3_5	ATAATCACCT	CTACAAGCAA	ATCTCCA...	GCGAATCGGG	AGC...CACC
A3_7	ATAATCGCCT	CTACAAGCAA	ATCTCCA...	GCGAATCGGG	AGC...CACC
A3_3	ATAATCACCT	CTACAAGCAA	ATCTCCA...	GCGAATCGGG	AGC...CACC
42_12	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAAGCACC
AAV1	ATAACCACCT	CTACAAGCAA	ATCTCCAGTG	CTTCAACGGG	.GG...CCAGC
AAV2	ACAACCACCT	CTACAAACAA	ATTTCCA...	GCCAATCAGG	AGC...CTCG
AAV3	ACAACCATCT	CTACAAGCAA	ATCTCCA...	GCCAATCAGG	AGC...TTCA
AAV8	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACATCGGG	AGGAGCCACC
AAV9	ACAACCACCT	CTACAAGCAA	ATCTCCAATG	GAACATCGGG	AGGAAGCACC
AAV7	ACAACCACCT	CTACAAGCAA	ATCTCCAGTG	AAACTGCAGG	TAG...TACC
AAV10	ACAACCACAT	CTACAAGCAA	ATCTCCAGCG	AGACAGGAGC	CACCAACGAC
AAV11	ACAACCACCT	CTACAAACAA	ATCTCCAGCG	CTTCAACGGG	GGCCAGCAAC
AAV12	ACAACCACCT	CTACAAGCAA	ATCTCCAGCC	AATCGGGTGC	CACCAACGAC
44_2	ACAACCACCT	CTACAAGCAA	ATCTCCAACG	GGACTTCGGG	AGGAAGCACC

Fig. 1AAJ

	3051				3100
42_2	AACGACAACC	ACTTCTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_8	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_15	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_5b	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_1b	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_13	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_3a	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_4	AACGACAACC	ACTTCTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_5a	AACGACAACC	ACTTCTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_10	AACGACAACC	ACTTCTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_3b	AACGACAACC	ACTTCTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_11	AACGACAACC	ACTTCTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_6b	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
43_1	AACGACAACA	CCTACTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
43_5	AACGACAACA	CCTACTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
43_12	AACGACAACA	CCTACTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
43_20	AACGACAACA	CCTATTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
43_21	AACGACAACA	CCTATTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
43_23	AACGACAACA	CCTATTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
43_25	AACGACAACA	CCTATTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
44_1	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
44_5	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
223_10	AACGATAACG	TCTATTTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
223_2	AACGATAACG	TCTATTTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
223_4	AACGATAACG	TCTATTTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
223_5	AACGATAACG	TCTATTTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
223_6	AACGATAACG	TCTATTTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
223_7	AACGATAACG	TCTATTTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
A3_4	AACGACAACC	ACTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
A3_5	AACGACAACC	ACTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
A3_7	AACGACAACC	ACTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
A3_3	AACGACAACC	ACTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
42_12	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
AAV1	AACGACAACC	ACTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGATTT
AAV2	AACGACAATC	ACTACTTTGG	CTACAGCACC	CCTTGGGGGT	ATTTTGACTT
AAV3	AACGACAACC	ACTACTTTGG	CTACAGCACC	CCTTGGGGGT	ATTTTGACTT
AAV8	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
AAV9	AACGACAACA	CCTACTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
AAV7	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
AAV10	AACCACTACT	TCGGCTACAG	C.....ACC	CCCTGGGGGT	ATTTTGACTT
AAV11	...GACAACC	ACTACTTTGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT
AAV12	AACCACTACT	TCGGCTA...	...CAGCACC	CCTTGGGGGT	ATTTTGATTT
44_2	AACGACAACA	CCTACTTCGG	CTACAGCACC	CCCTGGGGGT	ATTTTGACTT

Fig. 1AAK

	3101				3150
42_2	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_8	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_15	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_5b	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_1b	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_13	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_3a	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_4	CAACAGATTC	CACTGCCACT	TCTCATCACG	TGACTGGCAG	CGACTCATCA
42_5a	CAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_10	CAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_3b	CAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_11	CAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_6b	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
43_1	CAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
43_5	CAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
43_12	CAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
43_20	CAACAGATTC	CACTGTCACT	TTTCACCACG	TGACTGGCAA	CGACTCATCA
43_21	CAACAGATTC	CACTGTCACT	TTTCACCACG	TGACTGGCAA	CGACTCATCA
43_23	CAACAGATTC	CACTGTCACT	TTTCACCACG	TGACTGGCAA	CGACTCATCA
43_25	CAACAGATTC	CACTGTCACT	TTTCACCACG	TGACTGGCAA	CGACTCATCA
44_1	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
44_5	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
223_10	CAACAGATTC	CATTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTTATCA
223_2	CAACAGATTC	CATTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTTATCA
223_4	CAACAGATTC	CATTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTTATCA
223_5	CAACAGATTC	CATTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTTATCA
223_6	CAACAGATTC	CATTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTTATCA
223_7	CAACAGATTC	CATTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTTATCA
A3_4	TAACAGATTC	CACTGTCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
A3_5	TAACAGATTC	CACTGTCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
A3_7	TAACAGATTC	CACTGTCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
A3_3	TAACAGATTC	CACTGTCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
42_12	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
AAV1	CAACAGATTC	CACTGCCACT	TTTCACCACG	TGACTGGCAG	CGACTCATCA
AAV2	CAACAGATTC	CACTGCCACT	TTTCACCACG	TGACTGGCAA	AGACTCATCA
AAV3	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATTA
AAV8	TAACAGATTC	CACTGCCACT	TTTCACCACG	TGACTGGCAG	CGACTCATCA
AAV9	CAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
AAV7	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
AAV10	TAACAGATTC	CACTGCCACT	TTTCACCACG	TGACTGGCAG	CGACTCATCA
AAV11	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
AAV12	CAACAGATTC	CACTGCCATT	TCTCACCACG	TGACTGGCAG	CGACTCATCA
44_2	TAACAGATTC	CACTGCCACT	TCTCACCACG	TGACTGGCAG	CGACTCATCA

Fig. 1AAL

	3151				3200
42_2	ACAACAAC	TG	GGGATTCCGG	CCCAGAAAGC	TGCGGTTCAA GTTGTTC AAC
42_8	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
42_15	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
42_5b	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
42_1b	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
42_13	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
42_3a	ACAACAGCTG		GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
42_4	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
42_5a	ACAACAACCG		GGGATTCCGG	CCCAGAAAGC	TGCGGTTCAA GTTGTTC AAC
42_10	ACAACAAC	TG	GGGATTCCGG	CCCAGAAAGC	TGCGGTTCAA GTTGTTC AAC
42_3b	ACAACAAC	TG	GGGATTCCGG	CCCAGAAAGC	TGCGGTTCAA GTTGTTC AAC
42_11	ACAACAAC	TG	GGGATTCCGG	CCCAGAAAGC	TGCGGTTCAA GTTGTTC AAC
42_6b	ACAACAAC	TG	GGGATTCCGG	CCCAGAAAGC	TGCGGTTCAA GTTGTTC AAC
43_1	ACAATAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
43_5	ACAATAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
43_12	ACAATAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
43_20	ACAACAATTG		GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTGTTC AAC
43_21	ACAACAATTG		GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTGTTC AAC
43_23	ACAACAATTG		GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTGTTC AAC
43_25	ACAACAATTG		GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTGTTC AAC
44_1	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
44_5	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	CCA ACTTCAA GCTCTTCAAC
223_10	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
223_2	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
223_4	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
223_5	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
223_6	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
223_7	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
A3_4	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
A3_5	ATAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
A3_7	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
A3_3	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
42_12	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
AAV1	ACAACAATTG		GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA ACTCTTCAAC
AAV2	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC
AAV3	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAGCTTCAA GCTCTTCAAC
AAV8	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAGCTTCAA GCTCTTCAAC
AAV9	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTGTTC AAC
AAV7	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TGCGGTTCAA GCTCTTCAAC
AAV10	ACAACAAC	TG	GGGATTCCGG		
AAV11	ACAACAAC	TG	GGGATTCCGG		
AAV12	ACAACAAC	TG	GGGATTCCGG		
44_2	ACAACAAC	TG	GGGATTCCGG	CCCAAGAGAC	TCAACTTCAA GCTCTTCAAC

Fig. 1AAM

	3201				3250
42_2	ATCCAGGTCA	AGGAGGTCAC	GACGAACGAC	GGCGTTACGA	CCATCGCTAA
42_8	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
42_15	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
42_5b	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
42_1b	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
42_13	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
42_3a	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
42_4	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
42_5a	ATCCAGGTCA	AGGAGGTCAC	GACGAACGAC	GGCGTTACGA	CCATCGCTAA
42_10	ATCCAGGTCA	AGGAGGTCAC	GACGAACGAC	GGCGTTACGA	CCATCGCCAA
42_3b	ATCCAGGTCA	AGGAGGTCAC	GACGAACGAC	GGCGTTACGA	CCATCGCTAA
42_11	ATCCAGGTCA	AGGAGGTCAC	GACGAACGAC	GGCGTTACGA	CCATCGCTAA
42_6b	ATCCAGGTCA	AGGAGGTCAC	GACGGACGAC	GGCGTTACGA	CCATCGCTAA
43_1	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
43_5	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
43_12	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
43_20	ATCCAGGTCA	AGGAAGTCAC	GACGAACGAA	GGCACCAAGA	CCATCGCCAA
43_21	ATCCAGGTCA	AGGAAGTCAC	GACGAACGAA	GGCACCAAGA	CCATCGCCAA
43_23	ATCCAGGTCA	AGGAAGTCAC	GACGAACGAA	GGCACCAAGA	CCATCGCCAA
43_25	ATCCAGGTCA	AGGAAGTCAC	GACGAACGAA	GGCACCAAGA	CCATCGCCAA
44_1	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
44_5	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
223_10	ATCCAGGTCA	AGGAGGTCAC	GACGAATGAC	GGTGTCACAA	CCATCGCTAA
223_2	ATCCAGGTCA	AGGAGGTCAC	GACGAATGAC	GGTGTCACAA	CCATCGCTAA
223_4	ATCCAGGTCA	AGGAGGTCAC	GACGAATGAC	GGCGTCACAA	CCATCGCTAA
223_5	ATCCAGGTCA	AGGAGGTCAC	GACGAATGAC	GGCGTCACAA	CCATCGCTAA
223_6	ATCCAGGTCA	AGGAGGTCAC	GACGAATGAC	GGTGTCACAA	CCATCGCTAA
223_7	ATCCAGGTCA	AGGAGGTCAC	GACGAATGAC	GGCGTCACAA	CCATCGCTAA
A3_4	ATCCAAGTCA	AGGAGGTCAC	GCAGAATGAT	GGAACCACGA	CCATCGCCAA
A3_5	ATCCAAGTCA	AGGAGGTCAC	GCAGAATGAT	GGAACCACGA	CCATCGCCAA
A3_7	ATCCAAGTCA	AGGAGGTCAC	GCAGAATGAT	GGAACCACGA	CCATCGCCAA
A3_3	ATCCAAGTCA	AGGAGGTCAC	GCAGAATGAT	GGAACCACGA	CCATCGCCAA
42_12	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
AAV1	ATCCAAGTCA	AGGAGGTCAC	GACGAATGAT	GGCGTCACAA	CCATCGCTAA
AAV2	ATCCAAGTCA	AAGAGGTCAC	GCAGAATGAC	GGTACGACGA	CGATTGCCAA
AAV3	ATCCAAGTTA	GAGGGGTCAC	GCAGAACGAT	GGCACGACGA	CTATTGCCAA
AAV8	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA
AAV9	ATCCAGGTCA	AGGAGGTTAC	GACGAACGAA	GGCACCAAGA	CCATCGCCAA
AAV7	ATCCAGGTCA	AGGAGGTCAC	GACGAATGAC	GGCGTTACGA	CCATCGCTAA
44_2	ATCCAGGTCA	AGGAGGTCAC	GCAGAATGAA	GGCACCAAGA	CCATCGCCAA

Fig. 1AAN

	3251				3300
42_2	TAACCTTACC	AGCACGATTC	AGGTCTTCTC	GGACTCGGAG	TACCAACTGC
42_8	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
42_15	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
42_5b	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
42_1b	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
42_13	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
42_3a	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
42_4	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCGGCTCC
42_5a	TAACCTTACC	AGCACGATTC	AGGTCTTCTC	GGACTCGGAG	TACCAACTGC
42_10	TAACCTTACC	AGCACGATTC	AGGTCTTCTC	GGACTCGGAG	TACCAACTGC
42_3b	TAACCTTACC	AGCACGATTC	AGGTCTTCTC	GGACTCGGAG	TACCAACTGC
42_11	TAACCTTACC	AGCACGATTC	AGGTCTTCTC	GGACTCGGAG	TACCAACTGC
42_6b	TAACCTTACC	AGCACGATTC	AGGTCTTCTC	GGACTCGGAG	TACCAACTGC
43_1	TAACCTTACC	AGCACGATTC	AGGTGTTTAC	GGACTCGGAA	TACCAGCTCC
43_5	TAACCTTACC	AGCACGATTC	AGGTGTTTAC	GGACTCGGAA	TACCAGCTCC
43_12	TAACCTTACC	AGCACGATTC	AGGTGTTTAC	GGACTCGGAA	TACCAGCTCC
43_20	TAATCTCACC	AGCACCGTGC	AGGTCTTTAC	GGACTCGGAG	TACCAGTTAC
43_21	TAATCTCACC	AGCACCGTGC	GGGTCTTTAC	GGACTCGGAG	TACCAGTTAC
43_23	TAATCTCACC	AGCACCGTGC	AGGTCTTTAC	GGACTCGGAG	TACCAGTTAC
43_25	TAATCTCACC	AGCACCGTGC	AGGTCTTTAC	GGACTCGGAG	TACCAGTTAC
44_1	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
44_5	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
223_10	TAACCTTACC	AGCACGGTTC	AGGTCTTTTC	GGACTCGGAA	TATCAACTGC
223_2	TAACCTTACC	AGCACGGTTC	AGGTCTTTTC	GGACTCGGAA	TATCAACTGC
223_4	TAACCTTACC	AGCACGGTTC	AGGTCTTTTC	GGACTCGGAA	TATCAACTGC
223_5	TAACCTTACC	AGCACGGTTC	AGGTCTTTTC	GGACTCGGAA	TATCAACTGC
223_6	TAACCTTACC	AGCACGGTTC	AGGTCTTTTC	GGACTCGGAA	TATCAACTGC
223_7	TAACCTTACC	AGCACGGTTC	AGGTCTTTTC	GGACCCGGAA	TATCAACTGC
A3_4	TAACCTTACC	AGCACGGTGC	AGGTCTTCAC	AGACTCTGAG	TACCAGCTGC
A3_5	TAACCTTACC	AGCACGGTGC	AGGTCTTCAC	AGACTCTGAG	TACCAGCTGC
A3_7	TAACCTTACC	AGCACGGTGC	AGGTCTTCAC	AGACTCTGAG	TACCAGCTGC
A3_3	TAACCTTACC	AGCGCGGTGC	AGGTCTTCAC	AGACTCTGAG	TACCAGCTGC
42_12	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC
AAV1	TAACCTTACC	AGCACGGTTC	AAGTCTTCTC	GGACTCGGAG	TACCAGCTTC
AAV2	TAACCTTACC	AGCACGGTTC	AGGTGTTTAC	TGACTCGGAG	TACCAGCTCC
AAV3	TAACCTTACC	AGCACGGTTC	AAGTGTTTAC	GGACTCGGAG	TATCAGCTCC
AAV8	TAACCTCACC	AGCACCATCC	AGGTGTTTAC	GGACTCGGAG	TACCAGCTGC
AAV9	TAACCTTACC	AGCACCGTCC	AGGTCTTTAC	GGACTCGGAG	TACCAGCTAC
AAV7	TAACCTTACC	AGCACGATTC	AGGTATTCTC	GGACTCGGAA	TACCAGCTGC
44_2	TAACCTTACC	AGCACGATTC	AGGTCTTTAC	GGACTCGGAA	TACCAGCTCC

Fig. 1AAO

	3301				3350
42_2	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCTGCG
42_8	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
42_15	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCCGCCTCC	GTTCCCGGCG
42_5b	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
42_1b	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
42_13	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
42_3a	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
42_4	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
42_5a	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCTGCG
42_10	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCTGCG
42_3b	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCTGCG
42_1	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCTGCG
42_6b	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCTGCG
43_1	CGTACGTCCC	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCGGCG
43_5	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCGGCG
43_12	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCGGCG
43_20	CGTACGTGCT	AGGATCCGCT	CACCAGGGAT	GTCTGCCTCC	GTTCCCGGCG
43_21	CGTACGTGCT	AGGATCCGCT	CACCAGGGAT	GTCTGCCTCC	GTTCCCGGCG
43_23	CGTACGTGCT	AGGATCCGCT	CACCAGGGAT	GTCTGCCTCC	GTTCCCGGCG
43_25	CGTACGTGCT	AGGATCCGCT	CACCAGGGAT	GTCTGCCTCC	GTTCCCGGCG
44_1	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
44_5	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
223_10	CGTACGTCCT	CGGCTCCGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCA
223_2	CGTACGTCCT	CGGCTCCGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCA
223_4	CGTACGTCCT	CGGCTCCGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCA
223_5	CGTACGTCCCT	CGGCTCCGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCA
223_6	CGTACGTCCCT	CGGCTCCGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCA
223_7	CGTACGTCCCT	CGGCTCCGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCA
A3_4	CCTACGTCCCT	CGGTTCCGGCT	CACCAGGGCT	GCCTTCCGCC	GTTCCCAGCA
A3_5	CCTACGTCCCT	CGGTTCCGGCT	CACCAGGGCT	GCCTTCCGCC	GTTCCCAGCA
A3_7	CCTACGTCCCT	CGGTTCCGGCT	CACCAGGGCT	GCCTTCCGCC	GTTCCCAGCA
A3_3	CCTACGTCCCT	CGGTTCCGGCT	CACCAGGGCT	GCCTTCCGCC	GTTCCCAGCA
42_12	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
AAV1	CGTACGTCCT	CGGCTCTGCG	CACCAGGGCT	GCCTCCCTCC	GTTCCCGGCG
AAV2	CGTACGTCCT	CGGCTCCGCG	CATCAAGGAT	GCCTCCCGCC	GTTCCCAGCA
AAV3	CGTACGTGCT	CGGGTCCGCG	CACCAAGGCT	GTCTCCCGCC	GTTTCCAGCG
AAV8	CGTACGTTCT	CGGCTCTGCC	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
AAV9	CGTACGTCCCT	AGGCTCTGCC	CACCAAGGAT	GCCTGCCACC	GTTTCCTGCA
AAV7	CGTACGTCCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG
44_2	CGTACGTCCCT	CGGCTCTGCG	CACCAGGGCT	GCCTGCCTCC	GTTCCCGGCG

Fig. 1AAP

	3351				3400
42_2	GACGTGTTCA	TGATTCCTCA	GTACGGATAT	CTGACTCTAA	ACAACGGCAG
42_8	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAACGGCAG
42_15	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAACGGCAG
42_5b	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAACGGCAG
42_1b	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAACGGCAG
42_13	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAACGGCAG
42_3a	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAACGGCAG
42_4	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAACGGCAG
42_5a	GACGTGTTCA	TGATTCCTCA	GTACGGATAT	CTGACTCTAA	ACAACGGCAG
42_10	GACGTGTTCA	TGATTCCTCA	GTACGGATAT	CTGACTCTAA	ACAACGGCAG
42_3b	GACGTGTTCA	TGATTCCTCA	GTACGGATAT	CTGACTCTAA	ACAACGGCAG
42_1	GACGTGTTCA	TGATTCCTCA	GTACGGATAT	CTGACTCTAA	ACAACGGCAG
42_6b	GACGTGTTCA	TGATTCCTCA	GTACGGATAT	CTGACTCTAA	ACAACGGCAG
43_1	GACGTCTTCA	TGATTCCTCA	GTACGGGTAT	CTGACCCTAA	ACAATGGCAG
43_5	GACGTCTTCA	TGATTCCTCA	GTACGGGTAT	CTGACCCTAA	ACAATGGCAG
43_12	GACGTCTTCA	TGATTCCTCA	GTACGGGTAT	CTGACCCTAA	ACAATGGCAG
43_20	GACGTCTTCA	CGGTTCCCTCA	GTACGGCTAT	TTAACTTTAA	ACAATGGAAG
43_21	GACGTCTTCA	TGGTTCCTCA	GTACGGCTAT	TTAACTTTAA	ACAATGGAAG
43_23	GACGTCTTCA	TGGTTCCTCA	GTACGGCTAT	TTAACTTTAA	ACAATGGAAG
43_25	GACGTCTTCA	TGGTTCCTCA	GTACGGCTAT	TTAACTTTAA	ACAATGGAAG
44_1	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAATGGCAG
44_5	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAATGGCAG
223_10	GACGTGTTCA	TGATTCCGCA	GTACGGATAC	CTGACTCTGA	ACAATGGCAG
223_2	GACGTGTTCA	TGATTCCGCA	GTACGGATAC	CTGACTCTGA	ACAATGGCAG
223_4	GACGTGTTCA	TGATTCCGCA	GTACGGATAC	CTGACTCTGA	ACAATGGCAG
223_5	GACGTGTTCA	TGATTCCGCA	GTACGGATAC	CTGACTCTGA	ACAATGGCAG
223_6	GACGTGTTCA	TGATTCCGCA	GTACGGATAC	CTGACTCTGA	ACAATGGCAG
223_7	GACGTGTTCA	TGATTCCGCA	GTACGGATAC	CTGACTCTGA	ACAATGGCAG
A3_4	GACGTCTTCA	TGATTCCTCA	GTACGGCTAC	TTGACTCTGA	ACAATGGCAG
A3_5	GACGTCTTCA	TGATTCCTCA	GTACGGCTAC	TTGACTCTGA	ACAATGGCAG
A3_7	GACGTCTTCA	TGATTCCTCA	GTACGGCTAC	TTGACTCTGA	ACAATGGCAG
A3_3	GACGTCTTCA	TGATTCCTCA	GTACGGCTAC	TTGACTCTGA	ACAATGGCAG
42_12	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAACGGCAG
AAV1	GACGTGTTCA	TGATTCCGCA	ATACGGCTAC	CTGACGCTCA	ACAATGGCAG
AAV2	GACGTCTTCA	TGGTGCCACA	GTATGGATAC	CTCACCCTGA	ACAACGGGAG
AAV3	GACGTCTTCA	TGGTCCCTCA	GTATGGATAC	CTCACCCTGA	ACAACGGGAG
AAV8	GACGTGTTCA	TGATTCCTCA	GTACGGCTAC	CTAACACTCA	ACAACGGTAG
AAV9	GACGTCTTCA	TGGTTCCTCA	GTACGGCTAC	CTGACGCTCA	ACAATGGAAG
AAV7	GACGTCTTCA	TGATTCCTCA	GTACGGCTAC	CTGACTCTCA	ACAATGGCAG
44_2	GACGTCTTCA	TGATTCCTCA	GTACGGGTAC	CTGACTCTGA	ACAATGGCAG

Fig. 1AAQ

	3401				3450
42_2	TCAGTCTGTG	GGACGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_8	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_15	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_5b	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_1b	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_13	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_3a	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_4	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_5a	TCAGTCTGTG	GGACGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_10	TCAGTCTGTG	GGACGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_3b	TCAGTCTGTG	GGACGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_11	TCAGTCTGTG	GGACGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
42_6b	TCAGTCTGTG	GGACGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
43_1	TCAGGCTGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAATAC	TTCCCTTCTC
43_5	TCAGGCTGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAATAC	TTCCCTTCTC
43_12	TCAGGCTGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAATAC	TTCCCTTCTC
43_20	CCAAGCCCTG	GGACGTTCCCT	CCTTCTACTG	TCTGGAGTAT	TTCCCATCGC
43_21	CCAAGCCCTG	GGACGTTCCCT	CCTTCTACTG	TCTGGAGTAT	TTCCCATCGC
43_23	CCAAGCCCTG	GGACGTTCCCT	CCTTCTACTG	TCTGGAGTAT	TTCCCATCGC
43_25	CCAAGCCCTG	GGACGTTCCCT	CCTTCTACTG	TCTGGAGTAT	TTCCCATCGC
44_1	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
44_5	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
223_10	CCAATCGGTA	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
223_2	CCAATCGGTA	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
223_4	CCAATCGGTA	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
223_5	CCAATCGGTA	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
223_6	CCAATCGGTA	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
223_7	CCAATCGGTA	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
A3_4	CCAAGCGGTA	GGACGTTCTT	CATTCTACTG	TCTAGAGTAT	TTTCCCTCTC
A3_5	CCAAGCGGTA	GGACGTTCTT	CATTCTACTG	TCTAGAGTAT	TTTCCCTCTC
A3_7	CCAAGCGGTA	GGACGTTCTT	CATTCTACTG	TCTAGAGTAT	TTTCCCTCTC
A3_3	CCAAGCGGTA	GGACGTTCTT	CATTCTACTG	TCTAGAGTAT	TTTCCCTCTC
42_12	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC
AAV1	CCAAGCCGTG	GGACGTTCCAT	CCTTTTACTG	CCTGGAATAT	TTCCCTTCTC
AAV2	TCAGGCAGTA	GGACGCTCTT	CATTTTACTG	CCTGGAGTAC	TTTCCTTCTC
AAV3	TCAAGCGGTG	GGACGCTCAT	CCTTTTACTG	CCTGGAGTAC	TTCCCTTCGC
AAV8	TCAGGCCGTG	GGACGCTCCT	CCTTCTACTG	CCTGGAATAC	TTTCCTTCGC
AAV9	TCAAGCGTTA	GGACGTTCTT	CTTTCTACTG	TCTGGAATAC	TTCCCTTCTC
AAV7	TCAGTCTGTG	GGACGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTCCCTTCTC
44_2	TCAGGCCGTG	GGCCGTTCCCT	CCTTCTACTG	CCTGGAGTAC	TTTCCTTCTC

Fig. 1AAR

	3451				3500
42_2	AGATGCTGAG	AACGGGCAAT	AACTTTGAAT	TCAGCTACAC	CTTTGAGGAA
42_8	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
42_15	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
42_5b	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
42_1b	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
42_13	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
42_3a	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
42_4	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
42_5a	AGATGCTGAG	AACGGGCAAT	AACTTTGAAT	TCAGCTACCA	GTTTGAGGAC
42_10	AGATGCTGAG	AACGGGCAAT	AACTTTGAAT	TCAGCTACAC	CTTTGAGGAA
42_3b	AGATGCTGAG	AACGGGCAAT	AACTTTGAAT	TCAGCTACAC	CTTTGAGGAA
42_11	AGATGCTGAG	AACGGGCAAT	AACTTTGAAT	TCAGCTACAC	CTTTGAGGAA
42_6b	AGATGCTGAG	AACGGGCAAT	AACTTTGAAT	TCAGCTACAC	CTTTGAGGAA
43_1	AAATGCTGAG	GACGGGCAAC	AACTTTGAAT	TCAGCTACAC	CTTCGAGGAC
43_5	AAATGCTGAG	GACGGGCAAC	AACTTTGAAT	TCAGCTACAC	CTTCGAGGAC
43_12	AAATGCTGAG	GACGGGCAAC	AACTTTGAAT	TCAGCTACAC	CTTCGAGGAC
43_20	AGATGCTGAG	AACGGGCAAC	AACTTTCAGT	TCAGCTACAC	CTTCGAGGAC
43_21	AGATGCTGAG	AACGGGCAAC	AACTTTCAGT	TCAGCTACAC	CTTCGAGGAC
43_23	AGATGCCGAG	AACGGGCAAC	AACTTTCAGT	TCAGCTACAC	CTTCGAGGAC
43_25	AGATGCTGAG	AACGGGCAAC	AACTTTCAGT	TCAGCTACAC	CTTCGAGGAC
44_1	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
44_5	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
223_10	AGATGCTGAG	AACGGGCAAC	AACTTCACCT	TTAGCTACAC	CTTCGAGGAC
223_2	AGATGCTGAG	AACGGGCAAC	AACTTCACCT	TTAGCTACAC	CTTCGAGGAC
223_4	AGATGCTGAG	AACGGGCAAC	AACTTCACCT	TTAGCTACAC	CTTCGAGGAC
223_5	AGATGCTGAG	AACGGGCAAC	AACTTCACCT	TTAGCTACAC	CTTCGAGGAC
223_6	AGATGCTGAG	AACGGGCAAC	AACTTCACCT	TTAGCTACAC	CTTCGAGGAC
223_7	AGATGCTGAG	AACGGGCAAC	AACTTCACCT	TTAGCTACAC	CTTCGAGGAC
A3_4	AGATGCTGAG	GACGGGAAAC	AACTTCACCT	TCAGCTACAC	TTTTGAAGAC
A3_5	AGATGCTGAG	GACGGGAAAC	AACTTCACCT	TCAGCTACAC	TTTTGAAGAC
A3_7	AGATGCTGAG	GACGGGAAAC	AACTTCACCT	TCAGCTACAC	TTTTGAAGAC
A3_3	AGATGCTGAG	GACGGGAAAC	AACTTCACCT	TCAGCTACAC	TTTTGAAGAC
42_12	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC
AAV1	AGATGCTGAG	AACGGGCAAC	AACTTTACCT	TCAGCTACAC	CTTTGAGGAA
AAV2	AGATGCTGCG	TACCGGAAAC	AACTTTACCT	TCAGCTACAC	TTTTGAGGAC
AAV3	AGATGCTAAG	GACTGGAAAT	AACTTCCAAT	TCAGCTATAC	CTTCGAGGAT
AAV8	AGATGCTGAG	AACGGGCAAC	AACTTCCAGT	TTACTTACAC	CTTCGAGGAC
AAV9	AGATGCTGAG	AACGGGCAAC	AACTTTCAGT	TCAGCTACAC	TTTCGAGGAC
AAV7	AGATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACAG	CTTCGAGGAC
44_2	AAATGCTGAG	AACGGGCAAC	AACTTTGAGT	TCAGCTACCA	GTTTGAGGAC

Fig. 1AAS

	3501				3550
42_2	GTGCCTTTTC	ACAGCAGCTA	TGCGCACAGC	CAGAGCCTGG	ACCGGCTGAT
42_8	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
42_15	GTGCCTTTTC	ACAGCAGCTA	CGCGCATAGC	CAAAGCCTGG	ACCGGCTGAT
42_5b	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
42_1b	GTGCCTTTTC	ACAGCAGCTA	TGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
42_13	GTGCCTTTTC	ACAGCAGCTA	TGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
42_3a	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
42_4	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
42_5a	GTGCCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
42_10	GTGCCTTTTC	ACAGCAGCTA	TGCGCACAGC	CAGAGCCTGG	ACCGGCTGAT
42_3b	GTGCCTTTTC	ACAGCAGCTA	TGCGCACAGC	CAGAGCCTGG	ACCGGCTGAT
42_11	GTGCCTTTTC	ACAGCAGCTA	TGCGCACAGC	CAGAGCCTGG	ACCGGCTGAT
42_6b	GTGCCTTTTC	ACAGCAGCTA	TGCGCATAGC	CAGAGCCTGG	ACCGGCTGAT
43_1	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGCCTGG	ACCGGCTGAT
43_5	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGCCTGG	ACCGGCTGAT
43_12	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGCCTGG	ACCGGCTGAT
43_20	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGCCTGG	ACAGGCTGAT
43_21	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGCCTGG	ACAGGCTGAT
43_23	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGCCTGG	ACAGGCTGAT
43_25	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGCCTGG	ACAGGCTGAT
44_1	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
44_5	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT
223_10	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	ACCGGCTGAT
223_2	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	ACCGGCTGAT
223_4	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	GCCGGCTGAT
223_5	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	GCCGGCTGAT
223_6	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	ACCGGCTGAT
223_7	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	ACCGGCTGAT
A3_4	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	ATCGGCTGAT
A3_5	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	ATCGGCTGAT
A3_7	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	ATCGGCTGAT
A3_3	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGTCTGG	ATCGGCTGAT
42_12	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAC
AAV1	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAGAGCCTGG	ACCGGCTGAT
AAV2	GTTCCCTTTTC	ACAGCAGCTA	CGCTCACAGC	CAGAGTCTGG	ACCGTCTCAT
AAV3	GTACCTTTTC	ACAGCAGCTA	CGCTCACAGC	CAGAGTTTGG	ATCGCTTGAT
AAV8	GTGCCTTTTC	ACAGCAGCTA	CGCCACAGC	CAGAGCTTGG	ACCGGCTGAT
AAV9	GTGCCTTTTC	ACAGCAGCTA	CGCACACAGC	CAGAGTCTAG	ATCGACTGAT
AAV7	GTGCCTTTTC	ACAGCAGCTA	CGCACACAGC	CAGAGCCTGG	ACCGGCTGAT
44_2	GTGCCTTTTC	ACAGCAGCTA	CGCGCACAGC	CAAAGCCTGG	ACCGGCTGAT

Fig. 1AAT

	3551				3600
42_2	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGCCCGG	ACCCAGAGCA
42_8	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
42_15	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
42_5b	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
42_1b	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
42_13	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
42_3a	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
42_4	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
42_5a	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
42_10	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGCCCGG	ACCCAGAGCA
42_3b	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGCCCGG	ACCCAGAGCA
42_11	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGCCCGG	ACCCAGAGCA
42_6b	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGCCCGG	ACCCAGAGCA
43_1	GAACCTCTC	ATCGACCAGT	ACCTGTATTA	CTTATCCAGA	ACTCAGTCCA
43_5	GAACCTCTC	ATCGACCAGT	ACCTGTATTA	CTTATCCAGA	ACTCAGTCCA
43_12	GAACCTCTC	ATCGACCAGT	ACCTGTATTA	CTTATCCAGA	ACTCAGTCCA
43_20	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGTCAGA	ACGCAAACGA
43_21	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGTCAGA	ACGCAAACGA
43_23	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGTCAGA	ACGCAAACGA
43_25	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGTCAGA	ACGCAAACGA
44_1	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
44_5	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA
223_10	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CTTGGCCAGA	ACACAGAGCA
223_2	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CTTGGCCAGA	ACACAGAGCA
223_4	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CTTGGCCAGA	ACACAGAGCA
223_5	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CTTGGCCAGA	ACACAGAGCA
223_6	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CTTGGCCAGA	ACACAGAGCA
223_7	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CTTGGCCAGA	ACACAGAGCA
A3_4	GAATCCTCTC	ATTGACCAGT	ACCTGTATTA	CCTGAGCAAA	ACTCAGGGTA
A3_5	GAATCCTCTC	ATTGACCAGT	ACCTGTATTA	CCTGAGCAAA	ACTCAGGGTA
A3_7	GAATCCTCTC	ATTGACCAGT	ACCTGTATTA	CCTGAGCAAA	ACTCAGGGTA
A3_3	GAATCCTCTC	ATTGACCAGT	ACCTGTATTA	CCTGAGCAAA	ACTCAGGGTA
42_12	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGGCCCGG	ACCCAGAGCA
AAV1	GAATCCTCTC	ATCGACCAAT	ACCTGTATTA	CCTGAACAGA	ACTCAA..AT
AAV2	GAATCCTCTC	ATCGACCAGT	ACCTGTATTA	CTTGAGCAGA	ACAAACACTC
AAV3	GAATCCTCTT	ATTGATCAGT	ATCTGTACTA	CCTGAACAGA	ACGCAAGGAA
AAV8	GAATCCTCTG	ATTGACCAGT	ACCTGTACTA	CTTGTCTCGG	ACTCAAACAA
AAV9	GAATCCCCTC	ATCGACCAGT	ACCTATACTA	CCTGGTCAGA	ACACAGACAA
AAV7	GAATCCCCTC	ATCGACCAGT	ACTTGTACTA	CCTGGCCAGA	ACACAGAGTA
44_2	GAATCCCCTC	ATCGACCAGT	ACCTGTACTA	CCTGTCTCGG	ACTCAGTCCA

Fig. 1AAU

	3601				3650
42_2	CTACGG..GG	TCCACAAGGG	AGCTGCA.GT	TCCA.....	TCAGGCTGGG
42_8	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
42_15	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
42_5b	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
42_1b	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
42_13	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
42_3a	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
42_4	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
42_5a	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
42_10	CTACG...GG	GTCCACAAGG	GAGCTGCAGT	TCCA.....	TCAGGCTGGG
42_3b	CTACG...GG	GTCCACAAGG	GAGCTGCAGT	TCCA.....	TCAGGCTGGG
42_11	CTACG...GG	GTCCACAAGG	GAGCTGCAGT	TCCA.....	TCAGGCTGGG
42_6b	CTACG...GG	GTCCACAAGG	GAGCTGCAGT	TCCA.....	TCAGGCTGGG
43_1	CAGGA...GG	AACTCAAGGT	ACTCAGCAAT	TGTTATTTTC	TCAAGCCGGG
43_5	CAGGA...GG	AACTCAAGGT	ACTCAGCAAT	TGTTATTTTC	TCAAGCCGGG
43_12	CAGGA...GG	AACTCAAGGT	ACTCAGCAAT	TGTTATTTTC	TCAAGCCGGG
43_20	CT.....GG	AACTGGAGGG	ACGCAGACTC	TGGCATTTCAG	CCAAGCGGGT
43_21	CT.....GG	AACTGGAGGG	ACGCAGACTC	TGGCATTTCAG	CCAAGCGGGT
43_23	CT.....GG	AACTGGAGGG	ACGCAGACTC	TGGCATTTCAG	CCAAGCGGGT
43_25	CT.....GG	AACTGGAGGG	ACGCAGACTC	TGGCATTTCAG	CCAAGCGGGT
44_1	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
44_5	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG
223_10	ACGCAGGAGG	TACTGCTGGC	AATCGGGAAC	TGCAGTTTTA	TCAGGGCGGA
223_2	ACGCAGGAGG	TACTGCTGGC	AATCGGGAAC	TGCAGTTTTA	TCAGGGCGGA
223_4	ACGCAGGAGG	TACTGCTGGC	AATCGGGAAC	TGCAGTTTTA	TCAGGGCGGA
223_5	ACGCAGGAGG	TACTGCTGGC	AATCGGGAAC	TGCAGTTTTA	TCAGGGCGGA
223_6	ACGCAGGAGG	TACTGCTGGC	AATCGGGAAC	TGCAGTTTTA	TCAGGGCGGA
223_7	ACGCAGGAGG	TACTGCTGGC	AATCGGGAAC	TGCAGTTTTA	TCAGGGCGGA
A3_4	CAAG...TGG	AACAACGCAG	CAATCGAGAC	TGCAGTTCAG	CCAAGCTGGG
A3_5	CAAG...TGG	AACAACGCAG	CAATCGAGAC	TGCAGTTCAG	CCAAGCTGGG
A3_7	CAAG...TGG	AACAACGCAG	CAATCGAGAC	TGCAGTTCAG	CCAAGCTGGG
A3_3	CAAG...TGG	AACAACGCAG	CAATCGAGAC	TGCAGTTCAG	CCAAGCTGGG
42_12	CTACG...GG	GTCCACAAGG	GGGCTGCAGT	TCCA.....	TCAGGCTGGG
AAV1	CAGTCC..GG	AAGTGCCCAA	AACAAGGACT	TGCTGTTTAG	CCGTGGGTCT
AAV2	CAAG...TGG	AACCACCACG	CAGTCAAGGC	TTCAGTTTTC	TCAGGCCGGG
AAV3	CAACCTCTGG	AACAACCAAC	CAATCACGGC	TGCTTTTTAG	CCAGGCTGGG
AAV8	CAGGAG..GC	.ACGGCAAAT	ACGCAGACTC	TGGGCTTCAG	CCAAGGTGGG
AAV9	CTGGA.....	.ACTGGGGGA	ACTCAAATT	TGGCATTTCAG	CCAAGCAGGC
AAV7	ACCCAGGAGG	CACAGCTGGC	AATCGGGAAC	TGCAGTTTTA	CCAGGGCGGG
44_2	CGGGA...GG	TACCGCAGGA	ACTCAGCAGT	TGCTATTTTC	TCAGGCCGGG

Fig. 1AAV

	3651				3700
42_2	CCCAACACCA	TGGCCGAGCA	ATCAAAGAAC	TGGCTGCCCCG	GACCCTGTTA
42_8	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
42_15	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
42_5b	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
42_1b	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
42_13	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
42_3a	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
42_4	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
42_5a	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
42_10	CCCAACACCA	TGGCCGAGCA	ATCAAAGAAC	TGGCTGCCCCG	GACCCTGTTA
42_3b	CCCAACACCA	TGGCCGAGCA	ATCAAAGAAC	TGGCTGCCCCG	GACCCTGTTA
42_11	CCCAACACCA	TGGCCGAGCA	ATCAAAGAAC	TGGCTGCCCCG	GACCCTGTTA
42_6b	CCCAACACCA	TGGCCGAGCA	ATCAAAGAAC	TGGCTGCCCCG	GACCCTGTTA
43_1	CCCGCAAACA	TGTCGGCTCA	GGCCAAGAAC	TGGCTACCTG	GACCGTGTTA
43_5	CCCGCAAACA	TGTCGGCTCA	GGCCAAGAAC	TGGCTACCTG	GACCGTGTTA
43_12	CCCGCAAACA	TGTCGGCTCA	GGCCAAGAAC	TGGCTACCTG	GACCGTGTTA
43_20	CCTAGCTCAA	TGGCCAACCA	GGCTAGAAAT	TGGGTGCCCCG	GACCTTGCTA
43_21	CCTAGCTCAA	TGGCCAACCA	GGCTAGAAAT	TGGGTGCCCCG	GACCTTGCTA
43_23	CCTAGCTCAA	TGGCCAACCA	GGCTAGAAAT	TGGGTGCCCCG	GACCTTGCTA
43_25	CCTAGCTCAA	TGGCCAACCA	GGCTAGAAAT	TGGGTGCCCCG	GACCTTGCTA
44_1	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
44_5	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA
223_10	CCTACCACCA	TGGCCGAACA	AGCAAAGAAC	TGGCTGCCCCG	GACCTTGCTT
223_2	CCTACCACCA	TGGCCGAACA	AGCAAAGAAC	TGGCTGCCCCG	GACCTTGCTT
223_4	CCTACCACCA	TGGCCGAACA	AGCAAAGAAC	TGGCTGCCCCG	GACCTTGCTT
223_5	CCTACCACCA	TGGCCGAACA	AGCAAAGAAC	TGGCTGCCCCG	GACCTTGCTT
223_6	CCTACCACCA	TGGCCGAACA	AGCAAAGAAC	TGGCTGCCCCG	GACCTTGCTT
223_7	CCTACCACCA	TGGCCGAACA	AGCAAAGAAC	TGGCTGCCCCG	GACCTTGCTT
A3_4	CCTAGCTCCA	TGGCTCAGCA	GGCCAAAAAC	TGGCTACCCG	GACCCAGCTA
A3_5	CCTAGCTCCA	TGGCTCAGCA	GGCCAAAAAC	TGGCTACCCG	GACCCAGCTA
A3_7	CCTAGCTCCA	TGGCTCAGCA	GGCCAAAAAC	TGGCTACCCG	GACCCAGCTA
A3_3	CCTAGCTCCA	TGGCTCAGCA	GGCCAAAAAC	TGGCTACCCG	GACCCAGCTA
42_12	CCCAACACCA	TGGCCGAGCA	ATCAAAGAAC	TGGCTGCCCCG	GACCCTGTTA
AAV1	CCAGCTGGCA	TGTCTGTTCA	GCCCCAAAAAC	TGGCTACCTG	GACCCTGTTA
AAV2	GCGAGTGACA	TTCGGGACCA	GTCTAGGAAC	TGGCTTCCTG	GACCCTGTTA
AAV3	CCTCAGTCTA	TGTCTTTGCA	GGCCAGAAAT	TGGCTACCTG	GGCCCTGCTA
AAV8	CCTAATACAA	TGGCCAATCA	GGCAAAGAAC	TGGCTGCCAG	GACCCTGTTA
AAV9	CCTAGCTCAA	TGGCCAATCA	GGCTAGAAAC	TGGGTACCCG	GGCCTTGCTA
AAV7	CCTTCAACTA	TGGCCGAACA	AGCCAAGAAT	TGGTTACCTG	GACCTTGCTT
44_2	CCTAATAACA	TGTCGGCTCA	GGCCAAAAAC	TGGCTACCCG	GGCCCTGCTA

Fig. 1AAW

	3701				3750
42_2	TCGGCAGCAG	AGACTGTCAA	AAAACATAGA	CAGCAACAAC	AACAGTAACT
42_8	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT
42_15	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT
42_5b	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT
42_1b	CCGGCAGCAA	CGCGTCTCCA	CGACAGTGTC	GCAAAATAAC	AACAGCAACT
42_13	CCGGCAGCAA	CGCGTCTCCA	CGACAGTGTC	GCAAAATAAC	AACAGCAACT
42_3a	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT
42_4	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT
42_5a	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT
42_10	TCGGCAGCAG	AGACTGTCAA	AAAACATAGA	CAGCAACAAC	AACAGTAACT
42_3b	TCGGCAGCAG	AGACTGTCAA	AAAACATAGA	CAGCAACAAC	ACCAGTAACT
42_11	TCGGCGGCAG	AGACTGTCAA	AAGACATAGA	CAGCAACAAC	AACAGTAACT
42_6b	TCGGCAGCAG	AGACTGTCAA	AAAACATAGA	CAGCAACAAC	AACAGTAACT
43_1	CCGTCAGCAA	CGAGTTTCCA	CGACACTGTC	GCAAAACAAC	AACAGCAATT
43_5	CCGTCAGCAA	CGAGTTTCCA	CGACACTGTC	GCAAAACAAC	AACAGCAATT
43_12	CCGTCAGCAA	CGAGTTTCCA	CGACACTGTC	GCAAAACAAC	AACAGCAATT
43_20	CCGGCAGCAG	CGCGTCTCCA	CGACAACCAA	CCAGAACAAC	AACAGCAACT
43_21	CCGGCAGCAG	CGCGTCTCCA	CGACAACCAA	CCAGAGCAAC	AACAGCAACT
43_23	CCGGCAGCAG	CGCGTCTCCA	CGACAACCAA	CCAGAACAAC	AACAGCAACT
43_25	CCGGCAGCAG	CGCGTCTCCA	CGACAACCAA	CCAGAACAAC	AACAGCAACT
44_1	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT
44_5	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT
223_10	CCGGCAACAG	AGAGTATCCA	AGACGCTGGA	TCAAAATAAC	AACAGCAACT
223_2	CCGGCAACAG	AGAGTATCCA	AGACGCTGGA	TCAAAATAAC	AACAGCAACT
223_4	CCGGCAACAG	AGAGTATCCA	AGACGCTGGA	TCAAAATAAC	AACAGCAACT
223_5	CCGGCAACAG	AGAGTATCCA	AGACGCTGGA	TCAAAATAAC	AACAGCAACT
223_6	CCGGCAACAG	AGAGTATCCA	AGACGCTGGA	TCAAAATAAC	AACAGCAACT
223_7	CCGGCAACAG	AGAGTATCCA	AGACGCTGGA	TCAAAATAAC	AACAGCAACT
A3_4	CCGACAGCAG	CGAATGTCTA	AGACGGCTAA	TGACAACAAC	AACAGTGAAT
A3_5	CCGACAGCAG	CGAATGTCTA	AGACGGCTAA	TGACAACAAC	AACAGTGAAT
A3_7	CCGACAGCAG	CGAATGTCTA	AGACGGCTAA	TGACAACAAC	AACAGTGAAT
A3_3	CCGACAGCAG	CGAATGTCTA	AGACGGCTAA	TGACAACAAC	AACAGTGAAT
42_12	TCGGCAGCAG	AGACTGTCAA	AAAACATAGA	CAGCAACAAC	AACAGTAACT
AAV1	TCGGCAGCAG	CGCGTTTCTA	AAACAAAAC	AGACAACAAC	AACAGCAATT
AAV2	CCGCCAGCAG	CGAGTATCAA	AGACATCTGC	GGATAACAAC	AACAGTGAAT
AAV3	CCGGCAACAG	AGACTTTCAA	AGACTGCTAA	CGACAACAAC	AACAGTAACT
AAV8	CCGCCAACAA	CGCGTCTCAA	CGACAACCGG	GCAAAACAAC	AATAGCAACT
AAV9	CCGTCAGCAG	CGCGTCTCCA	CAACCACCAA	CCAAAATAAC	AACAGCAACT
AAV7	CCGGCAACAA	AGAGTCTCCA	AAACGCTGGA	TCAAAACAAC	AACAGCAACT
44_2	CCGGCAGCAA	CGCGTCTCCA	CGACACTGTC	GCAAAATAAC	AACAGCAACT

Fig. 1AAX

	3751				3800
42_2	TTGCCTGGAC	CGGGGCCACT	AAATACCATC	TGAATGGTAG	AAATTCATTA
42_8	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
42_15	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
42_5b	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
42_1b	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
42_13	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
42_3a	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
42_4	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
42_5a	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
42_10	TTGCCTGGAC	CGGGGCCACT	AAATACCATC	TGAATGGTAG	AAATTCATTA
42_3b	TTGCCTGGAC	CGGGGCCACT	AAATACCATC	TGAATGGTAG	AAATTCATTA
42_11	TTGCCTGGAC	CGGGGCCACT	AAATACCATC	TGAATGGTAG	AAATTCATTA
42_6b	TTGCCTGGAC	CGGGGCCACT	AAATACCATC	TGAATGGTAG	AAATTCATTA
43_1	TTGCCTGGAC	CGGTGCCACC	AAGTATCACC	TGAATGGCAG	AGACTCCCTG
43_5	TTGCCTGGAC	CGGTGCCACC	AAGTATCACC	TGAATGGCAG	AGACTCCCTG
43_12	TTGCCTGGAC	CGGTGCCACC	AAGTATCACC	TGAATGGCAG	AGACTCCCTG
43_20	TTGCCTGGAC	GGGAGCTGCC	AAGTTTAAGC	TGAACGGCCG	AGACTCTCTA
43_21	TTGCCTGGAC	GGGAGCTGCC	AAGTTTAAGC	TGAACGGCCG	AGACTCTCTA
43_23	TTGCCTGGAC	GGGAGCTGCC	AAGTTTAAGC	TGAACGGCCG	AGACTCTCTA
43_25	TTGCCTGGAC	GGGAGCTGCC	AAGTTTAAGC	TGAACGGCCG	AGACTCTCTA
44_1	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
44_5	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG
223_10	TTGCCTGGAC	TGGTGCCACA	AAATACCATT	TAAATGGAAG	AAATTCATTG
223_2	TTGCCTGGAC	TGGTGCCACA	AAATACCATT	TAAATGGAAG	AAATTCATTG
223_4	TTGCCTGGAC	TGGTGCCACA	AAATACCATT	TAAATGGAAG	AAATTCATTG
223_5	TTGCCTGGAC	TGGTGCCACA	AAATACCATT	TAAATGGAAG	AAATTCATTG
223_6	TTGCCTGGAC	TGGTGCCACA	AAATACCATT	TAAATGGAAG	AAATTCATTG
223_7	TTGCCTGGAC	TGGTGCCACA	AAATACCATT	TAAATGGAAG	AAATTCATTG
A3_4	TTGCCTGGAC	TGCAGCCACC	AAATATTACC	TGAATGGAAG	AAATTCTCTG
A3_5	TTGCCTGGAC	TGCAGCCACC	AAATATTACC	TGAATGGAAG	AAATTCTCTG
A3_7	TTGCCTGGAC	TGCAGCCACC	AAATATTACC	TGAATGGAAG	AAATTCTCTG
A3_3	TTGCCTGGAC	TGCAGCCACC	AAATATTACC	TGAATGGAAG	AAATTCTCTG
42_12	TTGCCTGGAC	CGGGGCCACT	AAATACCATC	TGAATGGTAG	AAATTCATTA
AAV1	TTACCTGGAC	TGGTGCTTCA	AAATATAACC	TCAATGGGCG	TGAATCCATC
AAV2	ACTCGTGGAC	TGGAGCTACC	AAGTACCACC	TCAATGGCAG	AGACTCTCTG
AAV3	TTCCCTGGAC	AGCGGCCAGC	AAATATCATC	TCAATGGCCG	CGACTCGCTG
AAV8	TTGCCTGGAC	TGCTGGGACC	AAATACCATC	TGAATGGAAG	AAATTCATTG
AAV9	TTGCGTGGAC	GGGAGCTGCT	AAATTCAAGC	TGAACGGGAG	AGACTCGCTA
AAV7	TTGCTTGGAC	TGGTGCCACC	AAATATCACC	TGAACGGCAG	AAACTCGTTG
44_2	TTGCCTGGAC	CGGTGCCACC	AAGTATCATC	TGAATGGCAG	AGACTCTCTG

Fig. 1AAY

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3801
42_2 ACCAACCCGG GCGTAGCCAT GGCCACCAAC AAGGACGACG AGGACCAGTT
42_8 GTAAATCCCG GTGTCGCTAT GGCAACGCAC AAGGACGACG AAGAGCGATT
42_15 GTAAATCCCG GTGTCGCTAT GGCAACGCAC AAGGACGACG AAGAGCGATT
42_5b GTAAATCCCG GTGTCGCTAT GGCAACGCAC AAGGACGACG AAGAGCGATT
42_1b GTAAATCCCG GTGTCGCTAT GGCAACGCAC AAGGGCGACG AAGAGCGATT
42_13 GTAAATCCCG GTGTCGCTAT GGCAACGCAC AAGGGCGACG AAGAGCGATT
42_3a GTAAATCCCG GTGTCGCTAT GGCAACGCAC AAGGACGACG AAGAGCGATT
42_4 GTAAATCCCG GTGTCGCTAT GGCAACGCAC AAGGACGACG AAGAGCGATT
42_5a GTAAATCCCG GTGTCGCTAT GGCAACGCAC AAGGACGACG AAGAGCGATT
42_10 ACCAACCCGG GCGTAGCCAT GGCCACCAAC AAGGACGACG AGGACCAGTT
42_3b ACCAACCCGG GCGTAGCCAT GGCCACCAAC AAGGACGACG AGGACCAGTT
42_11 ACCAACCCGG GCGTAGCCAT GGCCACCAAC AAGGACGACG AGGACCAGTT
42_6b ACCAACCCGG GCGTAGCCAT GGCCACCAAC AAGGACGACG AGGACCAGTT
43_1 GTTAATCCCG GCGTTGCCAT GGCTACCCAC AAGGACGACG AGGAGCGCTT
43_5 GTTAATCCCG GCGTTGCCAT GGCTACCCAC AAGGACGACG AGGAGCGCTT
43_12 GTTAATCCCG GCGTTGCCAT GGCTACCCAC AAGGACGACG AGGAGCGCTT
43_20 ATGAATCCGG GCGTGGCAAT GGCTTCCCAC AAGGATGACG ACGACCGCTT
43_21 ATGAATCCGG GCGTGGCAAT GGCTTCCCAC AAGGATGACG ACGACCGCTT
43_23 ATGAATCCGG GCGTGGCAAT GGCTTCCCAC AAGGATGACG ACGACCGCTT
43_25 ATGAATCCGG GCGTGGCAAT GGCTTCCCAC AAGGATGACG ACGACCGCTT
44_1 GTAAATCCCG GTGTCGCTAT GGCAACCCAC AAGGACGACG AAGAGCGATT
44_5 GTAAATCCCG GTGTCGCTAT GGCAACCCAC AAGGACGACG AAGAGCGATT
223_10 GTTAATCCCG GTGTCGCCAT GGCAACCCAC AAGGACGACG AGGAACGCTT
223_2 GTTAATCCCG GTGTCGCCAT GGCAACCCAC AAGGACGACG AGGAACGCTT
223_4 GTTAATCCCG GTGTCGCCAT GGCAACCCAC AAGGACGACG AGGAACGCTT
223_5 GTTAATCCCG GTGTCGCCAT GGCAACCCAC AAGGACGACG AGGAACGCTT
223_6 GTTAATCCCG GTGTCGCCAT GGCAACCCAC AAGGACGACG AGGAACGCTT
223_7 GTTAATCCCG GTGTCGCCAT GGCAACCCAC AAGGACGACG AGGAACGCTT
A3_4 GTCAATCCCG GGCCCCCAAT GGCCAGTCAC AAGGACGATG AGGAAAAGTA
A3_5 GTCAATCCCG GGCCCCCAAT GGCCAGTCAC AAGGACGATG AGGAAAAGTA
A3_7 GTCAATCCCG GGCCCCCAAT GGCCAGTCAC AAGGACGATG AGGAAAAGTA
A3_3 GTCAATCCCG GGCCCCCAGT GGCCAGTCAC AAGGACGATG AGGAAAAGTA
42_12 ACCAACCCGG GCGTAGCCAT GGCCACCAAC AAGGACGACG AGGACCAGTT
AAV1 ATCAACCCCTG GCACTGCTAT GGCCTCACAC AAAGACGACG AAGACAAGTT
AAV2 GTGAATCC.. GGCC...AT GGCAAGCCAC AAGGACGATG AAGAAAAGTT
AAV3 GTGAATCCAG GACCAGCTAT GGCCAGTCAC AAGGACGATG AAGAAAAATT
AAV8 GCTAATCCTG GCATCGCTAT GGCAACACAC AAAGACGACG AGGAGCGTTT
AAV9 ATGAATCCTG GCGTGGCTAT GGCAATCGAC AAAGACGACG AGGACCGCTT
AAV7 GTTAATCCCG GCGTCGCCAT GGCAACTCAC AAGGACGACG AGGACCGCTT
44_2 GTAAATCCCG GTGTCGCTAT GGCAACCCAC AAGGACGACG AAGAGCGATT

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Fig. 1AAZ

	3851				3900
42_2	CTTTCCCATC	AACGGAGTGC	TGGTTTTTGG	CGAAACGGGG	GCTGCCAACA
42_8	TTTTCCATCC	AGCGGAGTCT	TGATGTTTGG	GAAACAGGGA	GCTGGAAA..
42_15	TTTTCCATCC	AGCGGAGTCT	TGATGTTTGG	GAAACAGGGA	GCTGGAAA..
42_5b	TTTTCCATCC	AGCGGAGTCT	TGATGTTTGG	GAAACAGGGA	GCTGGAAA..
42_1b	TTTTCCATCC	AGCGGAGTCT	TGATGTTTGG	GAAACAGGGA	GCTGGAAA..
42_13	TTTTCCATCC	AGCGGAGTCT	TGATGTTTGG	GAAACAGGGA	GCTGGAAA..
42_3a	TTTTCCATCC	AGCGGAGTCT	TGATGTTTGG	GAAACAGGGA	GCTGGAAA..
42_4	TTTTCCATCC	AGCGGAGTCT	TGATGTTTGG	GAAACAGGGA	GCTGGAAA..
42_5a	TTTTCCATCC	AGCGGAGTCT	TGATGTTTGG	GAAACAGGGA	GCTGGAAA..
42_10	CTTTCCCATC	AACGGAGTGC	TGGTTTTTGG	CAAAACGGGG	GCTGCCAACA
42_3b	CTTTCCCATC	AACGGAGTGC	TGGTTTTTGG	CAAAACGGGG	GCTGCCAACA
42_11	CTTTCCCATC	AACGGAGTGC	TGGTTTTTGG	CAAAACGGGG	GCTGCCAACA
42_6b	CTTTCCCATC	AACGGAGTGC	TGGTTTTTGG	CAAAACGGGG	GCTGCCAACA
43_1	CTTCCCGTCA	AGCGGAGTTC	TAATGTTTGG	CAAGCAGGGG	GCTGGAAA..
43_5	CTTCCCGTCA	AGCGGAGTTC	TAATGTTTGG	CAAGCAGGGG	GCTGGAAA..
43_12	CTTCCCGTCA	AGCGGAGTTC	TAATGTTTGG	CAAGCAGGGG	GCTGGAAA..
43_20	CTTCCCTTCG	AGCGGGGTCC	TGATTTTTGG	CAAGCAAGGA	GCCGGGAA..
43_21	CTTCCCTTCG	AGCGGGGTCC	TGATTTTTGG	CAAGCAAGGA	GCCGGGAA..
43_23	CTTCCCTTCG	AGCGGGGTCC	TGATTTTTGG	CAAGCAAGGA	GCCGGGAA..
43_25	CTTCCCTTCG	AGCGGGGTCC	TGATTTTTGG	CAAGCAAGGA	GCCGGGAA..
44_1	TTTTCCGTCC	AGCGGAGTCT	TAATGTTTGG	GAAACAGGGA	GCTGGAAA..
44_5	TTTTCCGTCC	AGCGGAGTCT	TAATGTTTGG	GAAACAGGGA	GCTGGAAA..
223_10	CTTCCCTTCG	AGCGGAGTTC	TAATTTTTGG	CAAAACTGGA	GCAGCTAATA
223_2	CTCCCTTCG	AGCGGAGTTC	TAATTTTTGG	CAAAACTGGA	GCAGCTAATA
223_4	CTTCCCTTCG	AGCGGAGTTC	TAATTTTTGG	CAAAACTGGA	GCAGCTAATA
223_5	CTTCCCTTCG	AGCGGAGTTC	TAATTTTTGG	CAAAACTGGA	GCAGCTAATA
223_6	CTTCCCTTCG	AGCGGAGTTC	TAATTTTTGG	CAAAACTGGA	GCAGCTAATA
223_7	CTTCCCTTCG	AGCGGAGTTC	TAATTTTTGG	CAAAACTGGA	GCAGCTAATA
A3_4	TTTCCCATG	CACGGAAATC	TCATCTTTGG	AAAACAAGGC	ACAGGAAC..
A3_5	TTTCCCATG	CACGGAAATC	TCATCTTTGG	AAAACAAGGC	ACAGGAAC..
A3_7	TTTCCCATG	CACGGAAATC	TCATCTTTGG	AAAACAAGGC	ACAGGAAC..
A3_3	TTTCCCATG	CACGGAAATC	TCATCTTTGG	AAAACAAGGC	ACAGGAAC..
42_12	CTTTCCCATC	AACGGAGTGC	TGGTTTTTGG	CAAAACGGGG	GCTGCCAACA
AAV1	CTTTCCCATG	AGCGGTGTCA	TGATTTTTGG	AAAAGAGAGC	GCCGGAGC..
AAV2	TTTTCCCTCAG	AGCGGGGTTC	TCATCTTTGG	GAAGCAAGGC	TCAGAGAA..
AAV3	TTTCCCTATG	CACGGCAATC	TAATATTTGG	CAAAGAAGGG	ACAACGGC..
AAV8	TTTTCCCATG	AACGGGATCC	TGATTTTTGG	CAACAAAAT	GCTGCCAG..
AAV9	CTTTCCATCA	AGTGGCGTTC	TCATATTTGG	CAAGCAAGGA	GCCGGGAA..
AAV7	TTTCCCATCC	AGCGGAGTCC	TGATTTTTGG	AAAAACTGGA	GCAACTAACA
44_2	TTTTCCGTCC	AGCGGAGTCT	TAATGTTTGG	GAAACAGGGA	GCTGGAAA..

Fig. 1AAAA

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3901
42_2 AGACAACGCT GGAA..... AACGTGCTAA TGACCAGCGA GGAGGAGATC
42_8 AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATC
42_15 AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATC
42_5b AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATC
42_1b AGACAACG.T AGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATC
42_13 AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATC
42_3a AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATC
42_4 AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATC
42_5a AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATC
42_10 AGACAACGCT GGAA..... AACGTGCTAA TGACCAGCGA GGAGGAGATC
42_3b AGACAACGCT GGAA..... AACGTGCTAA TGACCAGCGA GGAGGAGATC
42_11 AGACAACGCT GGAA..... AACGTGCTAA TGACCAGCGA GGAGGAGATC
42_6b AGACAACGCT GGAA..... AACGTGCTAA TGACCAGCGA GGAGGAGATC
43_1 AGACAATG.T GGACTACAGC AGCGTGATGC TCACCAGCGA AGAAGAAATT
43_5 AGACAATG.T GGACTACAGC AGCGTGATGC TCACCAGCGA AGAAGAAATT
43_12 AGACAATG.T GGACTACAGC AGCGTGATGC TCACCAGCGA AGAAGAAATT
43_20 CGATGGAG.T GGATTACAGC CAAGTGCTGA TTACAGATGA GGAAGAAATC
43_21 CGATGGAG.T GGATTACAGC CAAGTGCTGA TTACAGATGA GGAAGAAATC
43_23 CGATGGAG.T GGATTACAGC CAAGTGCTGA TTACAGATGA GGAAGAAATC
43_25 CGATGGAG.T GGATTACAGC CAAGTGCTGA TTACAGATGA GGAAGAAATC
44_1 AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATT
44_5 AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATT
223_10 AAACATACATT AGAA..... AACGTGCTCA TGACAAATGA AGAAGAAATT
223_2 AAACATACATT AGAA..... AACGTGCTCA TGACAAATGA AGAAGAAATT
223_4 AAACATACATT AGAA..... AACGTGCTCA TGACAAATGA AGAAGAAATT
223_5 AAACATACATT AGAA..... AACGTGCTCA TGACAAATGA AGAAGAAATT
223_6 AAACATACATT AGAA..... AACGTGCTCA TGACAAATGA AGAAGAAATT
223_7 AAACATACATT AGAA..... AACGTGCTCA TGACAAATGA AGAAGAAATT
A3_4 TACCAATG.T GGACATTGAA TCAGTGCTTA TTACAGACGA AGAAGAAATC
A3_5 TACCAATG.T GGACATTGAA TCAGTGCTTA TTACAGACGA AGAAGAAATC
A3_7 TACCAATG.T GGACATTGAA TCAGTGCTTA TTACAGACGA AGAAGAAATC
A3_3 TACCAATG.T GGACATTGAA TCAGTGCTTA TTACAGACGA AGAAGAAATC
42_12 AGACAACGCT GGAA..... AACGTGCTAA TGACCAGCGA GGAGGAGATC
AAV1 TTCAAACA.C TGCATTGGAC AATGTCATGA TTACAGACGA AGAGGAAATT
AAV2 AACAAATG.T GAACATTGAA AAGGTCATGA TTACAGACGA AGAGGAAATC
AAV3 AAGTAACG.C AGAATTAGAT AATGTAATGA TTACGGATGA AGAAGAGATT
AAV8 AGACAATG.C GGATTACAGC GATGTCATGC TCACCAGCGA GGAAGAAATC
AAV9 CGATGGAG.T CGACTACAGC CAGGTGCTGA TTACAGATGA GGAAGAAATT
AAV7 AAACATACATT GGAA..... AATGTGTTAA TGACAAATGA AGAAGAAATT
44_2 AGACAACG.T GGACTATAGC AGCGTTATGC TAACCAGTGA GGAAGAAATT
3950

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Fig. 1AAAB

	3951				4000
42_2	AAAACCACCA	ATCCCGTGGC	TACAGAAGAA	TACGGTGTGG	TCTCCAGCAA
42_8	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
42_15	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
42_5b	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
42_1b	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
42_13	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
42_3a	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
42_4	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
42_5a	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
42_10	AAAACCACCA	ATCCCGTGGC	TACAGAAGAA	TACGGTGTGG	TCTCCAGCAA
42_3b	AAAACCACCA	ATCCCGTGGC	TACAGAACAG	TACGGTGTGG	TCTCCAGCAA
42_11	AAAACCACCA	ATCCCGTGGC	TACAGAAGAA	TACGGTGTGG	TCTCCAGCAA
42_6b	AAAACCACCA	ATCCCGTGGC	TACAGAAGAA	TACGGTGTGG	TCTCCAGCAA
43_1	AAAATACTA	ACCCAGTGGC	TACAGAGCAG	TATGGTGTGG	TGGCAGACAA
43_5	AAAATACTA	ACCCAGTGGC	TACAGAGCAG	TATGGTGTGG	TGGCAGACAA
43_12	AAAATACTA	ACCCAGTGGC	TACAGAGCAG	TATGGTGTGG	TGGCAGACAA
43_20	AAGGCTACCA	ACCCCGTGGC	CACAGAAGAA	TATGGAGCAG	TGGCCATCAA
43_21	AAGGCTACCA	ACCCCGTGGC	CACAGAAGAA	TATGGAGCAG	TGGCCATCAA
43_23	AAGGCTACCA	ACCCCGTGGC	CACAGAAGAA	TATGGAGCAG	TGGCCATCAA
43_25	AAGGCTACCA	ACCCCGTGGC	CACAGAAGAA	TATGGAGCAG	TGGCCATCAA
44_1	AAAACCACCA	ACCCAGTGGC	CACGGAACAG	TACGGCGTGG	TGGCCGATAA
44_5	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA
223_10	CGTCCTACCA	ACCCGGTAGC	TACCGAGGAA	TACGGGATTG	TAAGCAGCAA
223_2	CGTCCTACCA	ACCCGGTAGC	TACCGAGGAA	TACGGGATTG	TAAGCAGCAA
223_4	CGTCCTACCA	ACCCGGTAGC	TACCGAGGAA	TACGGGATTG	TAAGCAGCAA
223_5	CGTCCTACCA	ACCCGGTAGC	TACCGAGGAA	TACGGGATTG	TAAGCAGCAA
223_6	CGTCCTACCA	ACCCGGTAGC	TACCGAGGAA	TACGGGATTG	TAAGCAGCAA
223_7	CGTCCTACCA	ACCCGGTAGC	TACCGAGGAA	TACGGGATTG	TAAGCAGCAA
A3_4	AGAACAACCTA	ATCCTGTGGC	TACAGAACAA	TACGGACAGG	TTGCCACCAA
A3_5	AGAACGACTA	ATCCTGTGGC	TACAGAACAA	TACGGACAGG	TTGCCACCAA
A3_7	AGAACAACCTA	ATCCTGTGGC	TACAGAACAA	TACGGACAGG	TTGCCACCAA
A3_3	AGAACAACCTA	ATCCTGTGGC	TACAGAACAA	TACGGACAGG	TTGCCACCAA
42_12	AAAACCACCA	ATCCCGTGGC	TACAGAAGAA	TACGGTGTGG	TCTCCAGCAA
AAV1	AAAGCCACTA	ACCCTGTGGC	CACCGAAAGA	TTTGGGACCG	TGGCAGTCAA
AAV2	GGAACAACCA	ATCCCGTGGC	TACGGAGCAG	TATGGTTCTG	TATCTACCAA
AAV3	CGTACCACCA	ATCCTGTGGC	AACAGAGCAG	TATGGAACCTG	TGGCAAATAA
AAV8	AAAACCACTA	ACCCTGTGGC	TACAGAGGAA	TACGGTATCG	TGGCAGATAA
AAV9	AAAGCCACCA	ACCCTGTAGC	CACAGAGGAA	TACGGAGCAG	TGGCCATCAA
AAV7	CGTCCTACTA	ATCCTGTAGC	CACGGAAGAA	TACGGGATAG	TCAGCAGCAA
44_2	AAAACCACCA	ACCCAGTGGC	CACAGAACAG	TACGGCGTGG	TGGCCGATAA

Fig. 1AAAC

	4001				4050
42_2	CCTGCAATCG	TCTACGGCCG	GACCCCAGAC	ACAGACTGTC	AACAGCCAGG
42_8	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
42_15	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
42_5b	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
42_1b	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
42_13	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
42_3a	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
42_4	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
42_5a	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
42_10	CCTGCAATCG	TCTACGGCCG	GACCCCAGAC	ACAGACTGTC	AACAGCCAGG
42_3b	CCTGCAATCG	TCTACGGCCG	GACCCCAGAC	ACAGACTGTC	AACAGCCAGG
42_11	CCTGCAATCG	TCTACGGCCG	GACCCCAGAC	ACAGACTGTC	AACAGCCAGG
42_6b	CCTGCAATCG	TCTACGGCCG	GACCCCAGAC	ACAGACTGTC	AACAGCCAGG
43_1	CCTGCAGCAG	ACCAACGGAG	CTCCCATTTGT	GGGAACTGTC	AACAGCCAGG
43_5	CCTGCAGCAG	ACCAACGGAG	CTCCCATTTGT	GGGAACTGTC	AACAGCCAGG
43_12	CCTGCAGCAG	ACCAACGGAG	CTCCCATTTGT	GGGAACTGTC	AACAGCCAGG
43_20	CAACCAGGCC	GCCAATACGC	AGGCGCAGAC	CGGACTCGTG	CACAACCAGG
43_21	CAACCAGGCC	GCCAATACGC	AGGCGCAGAC	CGGACTCGTG	CACAACCAGG
43_23	CAACCAGGCC	GCCAATACGC	AGGCGCAGAC	CGGACTCGTG	CACAACCAGG
43_25	CAACCAGGCC	GCCAATACGC	AGGCGCAGAC	CGGACTCGTG	CACAACCAGG
44_1	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
44_5	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG
223_10	CTTGCAGGCG	GCTAGCACCG	CAGCCCAGAC	ACAAGTTGTT	AACAACCAGG
223_2	CTTGCAGGCG	GCTAGCACCG	CAGCCCAGAC	ACAAGTTGTT	AACAACCAGG
223_4	CTTGCAGGCG	GCTAGCACCG	CAGCCCAGAC	ACAAGTTGTT	AACAACCAGG
223_5	CTTGCAGGCG	GCTAGCACCG	CAGCCCAGAC	ACAAGTTGTT	AACAACCAGG
223_6	CTTGCAGGCG	GCTAGCACCG	CAGCCCAGAC	ACAAGTTGTT	AACAACCAGG
223_7	CTTGCAGGCG	GCTAGCACCG	CAGCCCAGAC	ACAAGTTGTT	AACAACCAGG
A3_4	CCATCAGAGT	CAGGACACCA	CAGCTTCCTA	TGGAAGTGTG	GACAGCCAGG
A3_5	CCGTCAAGT	CAGAACACCA	CAGCTTCCTA	TGGAAGTGTG	GACAGCCAGG
A3_7	CCATCAGAGT	CAGAACACCA	CAGCTTCCTA	TGGAAGTGTG	GACAGCCAGG
A3_3	CCATCAGAGT	CAGAACACCA	CAGCTTCCTA	TGGAAGTGTG	GACAGCCAGG
42_12	CCTGCAATCG	TCTACGGCCG	GACCCCAGAC	ACAGACTGTC	AACAGCCAGG
AAV1	TTTCCAGAGC	AGCAGCACAG	ACCCTGCGAC	CGGAGATGTG	CATGCTATGG
AAV2	CCTCCAGAGA	GGCAACAGAC	AAGCAGCTAC	CGCAGATGTG	AACACACAAG
AAV3	CTTGCAGAGC	TCAAATACAG	CTCCACGAC	TGGAAGTGTG	AATCATCAGG
AAV8	CTTGCAGCAG	CAAAACACGG	CTCCTCAAAT	TGGAAGTGTG	AACAGCCAGG
AAV9	CAACCAGGCC	GCTAACACGC	AGGCGCAAAC	TGGACTTGTG	CATAACCAGG
AAV7	CTTACAAGCG	GCTAATACTG	CAGCCCAGAC	ACAAGTTGTC	AACAACCAGG
44_2	CCTGCAACAG	CAAAACGCCG	CTCCTATTGT	AGGGGCCGTC	AACAGTCAAG

Fig. 1AAAD

	4051				4100
42_2	GGGCTCTGCC	CGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_8	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_15	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_5b	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_1b	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_13	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_3a	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_4	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_5a	GAGCCTTACC	TGGCATGGCC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_10	GGGCTCTGCC	CGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_3b	GGGCTCTGCC	CGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_11	GGGCTCTGCC	CGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
42_6b	GGGCTCTGCC	CGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
43_1	GGGCCTTACC	TGGTATGGTC	TGGCAAAACC	GGGACGTGTA	CCTGCAGGGC
43_5	GGGCCTTACC	TGGTATGGTC	TGGCAAAACC	GGGACGTGTA	CCTGCAGGGC
43_12	GGGCCTTACC	TGGTATGGTC	TGGCAAAACC	GGGACGTGTA	CCTGCAGGGC
43_20	GGGTGATTCC	CGGCATGGTG	TGGCAGAATA	GAGACGTGTA	CCTGCAGGGT
43_21	GGGTGATTCC	CGGCATGGTG	TGGCAGAATA	GAGACGTGTA	CCTGCAGGGT
43_23	GGGTGATTCC	CGGCATGGTG	TGGCAGAATA	GAGACGTGTA	CCTGCAGGGT
43_25	GGGTGATTCC	CGGCATGGTG	TGGCAGAATA	GAGACGTGTA	CCTGCAGGGT
44_1	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
44_5	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
223_10	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAAGGT
223_2	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAAGGT
223_4	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAAGGT
223_5	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAAGGT
223_6	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAAGGT
223_7	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAAGGT
A3_4	GAATCTTACC	TGGAATGGTG	TGGCAGGACC	GCGATGTCTA	TCTTCAAGGT
A3_5	GAATCTTACC	TGGAATGGTG	TGGCAGGACC	GCGATGTCTA	TCTTCAAGGT
A3_7	GAATCTTACC	TGGAATGGTG	TGGCAGGACC	GCGATGTCTA	TCTTCAAGGT
A3_3	GAATCTTACC	TGGAATGGTG	TGGCAGGACC	GCGATGTCTA	TCTTCAAGGT
42_12	GGGCTCTGCC	CGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
AAV1	GAGCATTACC	TGGCATGGTG	TGGCAAGATA	GAGACGTGTA	CCTGCAGGGT
AAV2	GCGTTCTTCC	AGGCATGGTC	TGGCAGGACA	GAGATGTGTA	CCTTCAGGGG
AAV3	GGGCCTTACC	TGGCATGGTG	TGGCAAGATC	GTGACGTGTA	CCTTCAAGGA
AAV8	GGGCCTTACC	CGGTATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
AAV9	GAGTTATTCC	TGGTATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGC
AAV7	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT
44_2	GAGCCTTACC	TGGCATGGTC	TGGCAGAACC	GGGACGTGTA	CCTGCAGGGT

Fig. 1AAAE

	4101				4150
42_2	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
42_8	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_15	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_5b	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_1b	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_13	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_3a	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_4	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_5a	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_10	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
42_3b	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
42_11	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
42_6b	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
43_1	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
43_5	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
43_12	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
43_20	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
43_21	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
43_23	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
43_25	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
44_1	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGAAACTTT	CATCCCTCGC
44_5	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGAAACTTT	CATCCCTCGC
223_10	CCC.ATTTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
223_2	CCC.ATTTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
223_4	CCC.ATTTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
223_5	CCC.ATTTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
223_6	CCC.ATTTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
223_7	CCC.ATTTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
A3_4	CCC.ATTTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
A3_5	CCC.ATTTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
A3_7	CCC.ATTTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
A3_3	CCC.ATTTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
42_12	CCC.ATCTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
AAV1	CCC.ATTTGG	GCCAAAATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
AAV2	CCC.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
AAV3	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CATCCTTCGC
AAV8	CCC.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
AAV9	CCCTATTTGG	GCTAAAATAC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
AAV7	CCC.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGCAACTTT	CACCCGTCTC
44_2	CCT.ATCTGG	GCCAAGATTC	CTCACACGGA	CGGAAACTTT	CATCCCTCGC

Fig. 1AAAF

	4151				4200
42_2	CCCTGATGGG	CGGATTTGGA	CTCAAACACC	CGCCTCCTCA	AATTCTCATC
42_8	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
42_15	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
42_5b	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
42_1b	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
42_13	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
42_3a	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
42_4	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
42_5a	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
42_10	CCCTGATGGG	CGGATTTGGA	CTCAAACACC	CGCCTCCTCA	AATTCTCATC
42_3b	CCCTGATGGG	CGGATTTGGA	CTCAAACACC	CGCCTCCTCA	AATTCTCATC
42_11	CCCTGATGGG	CGGATTTGGA	CTCAAACACC	CGCCTCCTCA	AATTCTCATC
42_6b	CCCTGATGGA	CGGATTTGGA	CTCAAACACC	CGCCTCCTCA	AATTCTCATC
43_1	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGGTG
43_5	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGGTG
43_12	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGGTG
43_20	CCCTGATGGG	CGGCTTTGGA	CTGAAGCACC	CGCCTCCTCA	AATTCTCATC
43_21	CCCTGATGGG	CGGCTTTGGA	CTGAAGCACC	CGCCTCCTCA	AATTCTCATC
43_23	CCCTGATGGG	CGGCTTTGGA	CTGAAGCACC	CGCCTCCTCA	AATTCTCATC
43_25	CCCTGATGGG	CGGCTTTGGA	CTGAAGCACC	CGCCTCCTCA	AATTCTCATC
44_1	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
44_5	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT
223_10	CTCTAATGGG	TGGCTTTGGA	CTGAAACACC	CGCCTCCCCA	GATCCTGATC
223_2	CTCTAATGGG	TGGCTTTGGA	CTGAAACACC	CGCCTCCCCA	GATCCTGATC
223_4	CTCTAATGGG	TGGCTTTGGA	CTGAAACACC	CGCCTCCCCA	GATCCTGATC
223_5	CTCTAATGGG	TGGCTTTGGA	CTGAAACACC	CGCCTCCCCA	GATCCTGATC
223_6	CTCTAATGGG	TGGCTTTGGA	CTGAAACACC	CGCCTCCCCA	GATCCTGATC
223_7	CTCTAATGGG	TGGCTTTGGA	CTGAAACACC	CGCCTCCCCA	GATCCTGATC
A3_4	CGCTCATGGG	AGGCTTTGGA	CTGAAACACC	CTCCTCCCCA	GATCCTGATC
A3_5	CGCTCATGGG	AGGCTTTGGA	CTGAAACACC	CTCCTCCCCA	GATCCTGATC
A3_7	CGCTCATGGG	AGGCTTTGGA	CTGAAACACC	CTCCTCCCCA	GATCCTGATC
A3_3	CGCTCATGGG	AGGCTTTGGA	CTGAAACACC	CTCCTCCCCA	GATCCTGATC
42_12	CCCTGATGGG	CGGATTTGGA	CTCAAACACC	CGCCTCCTCA	AATTCTCATC
AAV1	CTCTTATGGG	CGGCTTTGGA	CTCAAGAACC	CGCCTCCTCA	GATCCTCATC
AAV2	CCCTCATGGG	TGGATTGGA	CTTAAACACC	CTCCTCCACA	GATTCTCATC
AAV3	CTCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	AATCATGATC
AAV8	CGCTGATGGG	CGGCTTTGGC	CTGAAACACC	CTCCGCCTCA	GATCCTGATC
AAV9	CTCTGATGGG	TGGATTGGA	CTGAAACACC	CACCTCCACA	GATTCTAATT
AAV7	CTTTGATGGG	CGGCTTTGGA	CTTAAACACC	CGCCTCCTCA	GATCCTGATC
44_2	CGCTGATGGG	AGGCTTTGGA	CTGAAACACC	CGCCTCCTCA	GATCCTGATT

Fig. 1AAAAG

	4201				4250
42_2	AAAAACACCC	CGGTACCTGC	TAATCCTCCA	GAGGTGTTTA	CTCCTGCCAA
42_8	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCCAA
42_15	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCCAA
42_5b	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCCAA
42_1b	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCCAA
42_13	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCCAA
42_3a	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCCAA
42_4	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCCAA
42_5a	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCCAA
42_10	AAAAACACCC	CGGTACCTGC	TAATCCTCCA	GAGGTGTTTA	CTCCTGCCAA
42_3b	AAAAACACCC	CGGTACCTGC	TAATCCTCCA	GAGGTGTTTA	CTCCTGCCAA
42_11	AAAAACACCC	CGGTACCTGC	TAATCCTCCA	GAGGTGTTTA	CTCCTGCCAA
42_6b	AAAAACACCC	CGGTACCTGC	TAATCCTCCA	GAGGTGTTTA	CTCCTGCCAA
43_1	AAAAACACTC	CTGTTCCCTGC	GGATCCTCCG	ACCACCTTCA	GCCAGGCCAA
43_5	AAAAACACTC	CTGTTCCCTGC	GGATCCTCCG	ACCACCTTCA	GCCAGGCCAA
43_12	AAAAACACTC	CTGTTCCCTGC	GGATCCTCCG	ACCACCTTCA	GCCAGGCCAA
43_20	AAGAACACAC	CGGTTCCAGC	GGACCCGCCG	CTTACCTTCA	ACCAGGCCAA
43_21	AAGAACACAC	CGGTTCCAGC	GGACCCGCCG	CTTACCTTCA	ACCAGGCCAA
43_23	AAGAACACAC	CGGTTCCAGC	GGACCCGCCG	CTTACCTTCA	ACCAGGCCAA
43_25	AAGAACACAC	CGGTTCCAGC	GGACCCGCCG	CTTACCTTCA	ACCAGGCCAA
44_1	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCTAA
44_5	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCTAA
223_10	AAAAACACAC	CGGTACCTGC	TAATCCTCCA	GAAGTGTTTA	CTCCTGCCAA
223_2	AAAAACACGC	CGGTACCTGC	TAATCCTCCA	GAAGTGTTTA	CTCCTGCCAA
223_4	AAAAACACAC	CGGTACCTGC	TAATCCTCCA	GAAGTGTTTA	CTCCTGCCAA
223_5	AAAAACACAC	CGGTACCTGC	TAATCCTCCA	GAAGTGTTTA	CTCCTGCCAA
223_6	AAAAACACAC	CGGTACCTGC	TAATCCTCCA	GAAGTGTTTA	CTCCTGCCAA
223_7	AAAAACACAC	CGGTACCTGC	TAATCCTCCA	GAAGTGTTTA	CTCCTGCCAA
A3_4	AAAAACACAC	CTGTGCCAGC	GAATCCCGCG	ACCACTTTCA	CTCCTGGAAA
A3_5	AAAAACACAC	CTGTGCCAGC	GAATCCCGCG	ACCACTTTCA	CTCCTGGAAA
A3_7	AAAAACACAC	CTGTGCCAGC	GAATCCCGCG	ACCACTTTCA	CTCCTGGAAA
A3_3	AAAAACACAC	CTGTGCCAGC	GAATCCCGCG	ACCACTTTCA	CTCCTGGAAA
42_12	A...A.....	.....	.....	.....	.....
AAV1	AAAAACACGC	CTGTTCCCTGC	GAATCCTCCG	GCGGAGTTTT	CAGCTACAAA
AAV2	AAGAACACCC	CGGTACCTGC	GAATCCTTCG	ACCACCTTCA	GTGCGGCAAA
AAV3	AAAAATACTC	CGGTACCGGC	AAATCCTCCG	ACGACTTTCA	GCCCGGCCAA
AAV8	AAGAACACGC	CTGTACCTGC	GGATCCTCCG	ACCACCTTCA	ACCAGTCAAA
AAV9	AAAAATACAC	CAGTGCCGGC	AGATCCTCCT	CTTACCTTCA	ATCAAGCCAA
AAV7	AAGAACACTC	CCGTTCCCGC	TAATCCTCCG	GAGGTGTTTA	CTCCTGCCAA
44_2	AAGAATACAC	CTGTTCCCGC	GGATCCTCCA	ACTACCTTCA	GTCAAGCTAA

Fig. 1AAAH

	4251				4300
42_2	GTTTGCCTCA	TTTATCACGC	AGTACAGCAC	CGGCCA.GGT	CAGCGTGGAG
42_8	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
42_15	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
42_5b	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
42_1b	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
42_13	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
42_3a	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
42_4	GCCGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
42_5a	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
42_10	GTTTGCCTCA	TTTATCACGC	AGTACAGCAC	CGGCCA.GGT	CAGCGTGGAG
42_3b	GTTTGCCTCA	TTTATCACGC	AGTACAGCAC	CGGCCA.GGT	CAGCGTGGAG
42_11	GTTTGCCTCA	TTTATCACGC	AGTACAGCAC	CGGCCA.GGT	CAGCGTGGAG
42_6b	GTTTGCCTCA	TTTATCACGC	AGTACAGCAC	CGGCCA.GGT	CAGCGTGGAG
43_1	GCTGGCTTCT	TTTATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
43_5	GCTGGCTTCT	TTTATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
43_12	GCTGGCTTCT	TTTATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
43_20	GCTGAACTCT	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
43_21	GCTGAACTCT	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
43_23	GCTGAACTCT	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
43_25	GCTGAACTCT	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
44_1	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
44_5	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA
223_10	GTTTGCTTCC	TTCATCACGC	AGTACAGCAC	CGGGCA.AGT	CAGCGTTGAG
223_2	GTTTGCTTCC	TTCATCACGC	AGTACAGCAC	CGGGCA.AGT	CAGCGTTGAG
223_4	GTTTGCTTCC	TTCATCACGC	AGTACAGCAC	CGGGCA.AGT	CAGCGTTGAG
223_5	GTTTGCTTCC	TTCATCACGC	AGTACAGCAC	CGGGCA.AGT	CAGCGTTGAG
223_6	GCTTGCTTCC	TTCATCACGC	AGTACAGCAC	CGGGCA.AGT	CAGCGTTGAG
223_7	GATTGCTTCC	TTCATCACGC	AGTACAGCAC	CGGGCA.AGT	CAGCGTTGAG
A3_4	GTTTGCTTCG	TTCATTACCC	AGTATTCCAC	CGGACA.GGT	CAGCGTGGAA
A3_5	GTTTGCTTCG	TTCATTACCC	AGTATTCCAC	CGGACA.GGT	CAGCGTGGAA
A3_7	GTTTGCTTCG	TTCATTACCC	AGTATTCCAC	CGGACA.GGT	CAGCGTGGAA
A3_3	GTTTGCTTCG	TTCATTACCC	AGTATTCCAC	CGGACA.GGT	CAGCGTGGAA
42_12	.....	.....	.....	.....	.....
AAV1	GTTTGCTTCA	TTCATCACCC	AATACTCCAC	AGGACA.AGT	GAGTGTGGAA
AAV2	GTTTGCTTCC	TTCATCACAC	AGTACTCCAC	GGGACACGGT	CAGCGTGGAG
AAV3	GTTTGCTTCA	TTTATCACTC	AGTACTCCAC	TGGACA.GGT	CAGCGTGGAA
AAV8	GCTGAACTCT	TTCATCACGC	AATACAGCAC	CGGACA.GGT	CAGCGTGGAA
AAV9	GCTGAACTCT	TTCATCACGC	AGTACAGCAC	GGGACA.AGT	CAGCGTGGAA
AAV7	GTTTGCTTCG	TTCATCACAC	AGTACAGCAC	CGGACA.AGT	CAGCGTGGAA
44_2	GCTGGCGTCG	TTCATCACGC	AGTACAGCAC	CGGACA.GGT	CAGCGTGGAA

Fig. 1AAAI

	4301				4350
42_2	ATCGAGTGGG	AACTGCAGAA	AGAAAACAGC	AAACGCTGGA	ATCCAGAGAT
42_8	ATTGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
42_15	ATTGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
42_5b	ATTGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
42_1b	ATTGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
42_13	ATTGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
42_3a	ATTGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
42_4	ATTGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
42_5a	ATTGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
42_10	ATCGAGTGGG	AACTGCAGAA	AGAAAACAGC	AAACGCTGGA	ATCCAGAGAT
42_3b	ATCGAGTGGG	AACTGCAGAA	AGAAAACAGC	AAACGCTGGA	ATCCAGAGAT
42_11	ATCGAGTGGG	AACTGCAGAA	AGAGAACAGC	AAACGCTGGA	ATCCAGAGAT
42_6b	ATCGAGTGGG	AACTGCAGAA	AGAAAACAGC	AAACGCTGGA	ATCCAGAGAT
43_1	ATCGAATGGG	AGCTGCAGAA	AGAAAACAGC	AAGCGCTGGA	ACCCAGAGAT
43_5	ATCGAATGGG	AGCTGCAGAA	AGAAAACAGC	AAGCGCTGGA	ACCCAGAGAT
43_12	ATCGAATGGG	AGCTGCAGAA	AGAAAACAGC	AAGCGCTGGA	ACCCAGAGAT
43_20	ATCGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ATCCAGAGAT
43_21	ATCGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ATCCAGAGAT
43_23	ATCGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ATCCAGAGAT
43_25	ATCGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ATCCAGAGAT
44_1	ATTGAATGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ACCCAGAGAT
44_5	ATTGAATGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ACCCAGAGAT
223_10	ATCGAGTGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
223_2	ATCGAGTGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
223_4	ATCGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
223_5	ATCGAATGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
223_6	ATCGAGTGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
223_7	ATCGAGTGGG	AGCTGCAGAA	AGAGAACAGC	AAGCGCTGGA	ACCCAGAGAT
A3_4	ATAGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ACCCAGAAAT
A3_5	ATAGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ACCCAGAAAT
A3_7	ATAGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ACCCAGAAAT
A3_3	ATAGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ACCCAGAAAT
42_12	.....	.....	.....	.....	.....
AAV1	ATTGAATGGG	AGCTGCAGAA	AGAAAACAGC	AAGCGCTGGA	ATCCCGAAGT
AAV2	ATCGAGTGGG	AGCTGCAGAA	GGAAAACAGC	AAACGCTGGA	ATCCCGAAAT
AAV3	ATTGAGTGGG	AGCTACAGAA	AGAAAACAGC	AAACGTTGGA	ATCCAGAGAT
AAV8	ATTGAATGGG	AGCTGCAGAA	GGAAAACAGC	AAGCGCTGGA	ACCCCGAGAT
AAV9	ATCGAGTGGG	AGCTGCAGAA	AGAAAACAGC	AAGCGCTGGA	ATCCAGAGAT
AAV7	ATCGAGTGGG	AGCTGCAGAA	GGAAAACAGC	AAGCGCTGGA	ACCCCGAGAT
44_2	ATTGAATGGG	AGCTGCAGAA	AGAAAACAGC	AAACGCTGGA	ACCCAGAGAT

Fig. 1AAAJ

	4351				4400
42_2	TCAGTACACC	TCAAATTATG	CCAAGTCTAA	TAAT.GTGGA	ATTTGCTGTC
42_8	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
42_15	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
42_5b	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
42_1b	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
42_13	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
42_3a	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
42_4	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
42_5a	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
42_10	TCAGTACACC	TCAAATTATG	CCAAGTCTAA	TAAT.GTGGA	ATTTGCTGTC
42_3b	TCAGTACACC	TCAAATTATG	CCAAGTCTAA	TAAT.GTGGA	ATTTGCTGTC
42_11	TCAGTACACC	TCAAATTATG	CCAAGTCTAA	TAAT.GTGGA	ATTTGCTGTC
42_6b	TCAGTACACC	TCAAATTATG	CCAAGTCTAA	TAAT.GTGGA	ATTTGCTGTC
43_1	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
43_5	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
43_12	TCAGTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
43_20	TCAATACACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
43_21	TCAATACACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
43_23	TCAATACACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
43_25	TCAATACACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
44_1	TCAATACACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTCGCTGTT
44_5	TCAATACACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTCGCTGTT
223_10	TCAGTACACC	TCCAACCTTTG	ACAAACAGAC	TGGA.GTGGA	CTTTGCTGTT
223_2	TCAGTACACC	TCCAACCTTTG	ACAAACAGAC	TGGA.GTGGA	CTTTGCTGTT
223_4	TCAGTACACC	TCCAACCTTTG	ACAAACAGAC	TGGA.GTGGA	CTTTGCTGTT
223_5	TCAGTACACC	TCCAACCTTTG	ACAAACAGAC	TGGA.GTGGA	CTTTGCTGTT
223_6	TCAGTACACC	TCCAACCTTTG	ACAAACAGAC	TGGA.GTGGA	CTTTGCTGTT
223_7	TCAGTACACC	TCCAACCTTTG	ACAAACAGAC	TGGA.GTGGA	CTTTGCTGTT
A3_4	TCAGTACACC	TCCAACACTACA	ACAAGTCGGT	GAAT.GTGGA	GTTTACCGTG
A3_5	TCAGTACACC	TCCAACACTACA	ACAAGTCGGT	GAAT.GTGGA	GTTTACCGTG
A3_7	TCAGTACACC	TCCAACACTACA	ACAAGTCGGT	GAAT.GTGGA	GTTTACCGTG
A3_3	TCAGTACACC	TCCAACACTACA	ACAAGTCGGT	GAAT.GTGGA	GTTTACCGTG
42_12	...GTATACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
AAV1	GCAGTACACA	TCCAATTATG	CAAAATCTGC	CAAC.GTTGA	TTTTACTGTG
AAV2	TCAGTACACT	TCCAACACTACA	ACAAGTCTGT	TAATCGTGGA	CTT.ACCGTG
AAV3	TCAGTACACT	TCCAACACTACA	ACAAGTCTGT	TAAT.GTGGA	CTTTACTGTA
AAV8	CCAGTACACC	TCCAACACTACT	ACAAATCTAC	AAGT.GTGGA	CTTTGCTGTT
AAV9	CCAGTATACT	TCAAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTC
AAV7	TCAGTACACC	TCCAACCTTTG	AAAAGCAGAC	TGGT.GTGGA	CTTTGCCGTT
44_2	TCAATACACT	TCCAACACTACT	ACAAATCTAC	AAAT.GTGGA	CTTTGCTGTT

Fig. 1AAAK

	4401				4450
42_2	AACAACGAAG	GGGTTTATAC	TGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_8	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_15	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_5b	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_1b	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_13	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_3a	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_4	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_5a	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_10	AACAACGAAG	GGGTTTATAC	TGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_3b	AACAACGAAG	GGGTTTATAC	TGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_11	AACAACGAAG	GGGTTTATAC	TGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
42_6b	AACAACGAAG	GGGTTTATAC	TGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
43_1	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CTCGTTATCT
43_5	AATACCGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CTCGTTATCT
43_12	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CTCGTTATCT
43_20	AACACGGAAG	GAGTTTATAG	CGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
43_21	AACACGGAAG	GAGTTTATAG	CGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
43_23	AACACGGAAG	GAGTTTATAG	CGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
43_25	AACACGGAAG	GAGTTTATAG	CGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
44_1	AACACAGATG	GCACTTATTC	TGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
44_5	AACACAGATG	GCACTTATTC	TGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
223_10	GACAGCCAGG	GTGTTTACTC	TGAGCCT...	.....	.....
223_2	GACAGCCAGG	GTGTTTACTC	TGAGCCT...	.....	.....
223_4	GACAGCCAGG	GTGTTTACTC	TGAGCCT...	.....	.....
223_5	GACAGCCAGG	GTGTTTACTC	TGAGCCT...	.....	.....
223_6	GACAGCCAGG	GTGTTTACTC	TGAGCCT...	.....	.....
223_7	GACAGCCAGG	GTGTTTACTC	TGAGCCT...	.....	.....
A3_4	GACGCAAACG	GTGTTTATTC	TGAACCCCGC	CCTATTGGCA	CTCGTTACCT
A3_5	GACGCAAACG	GTGTTTATTC	TGAACCCCGC	CCTATTGGCA	CTCGTTACCT
A3_7	GACGCAAACG	GTGTTTATTC	TGAACCCCGC	CCTATTGGCA	CTCGTTACCT
A3_3	GACGCAAACG	GTGTTTATTC	TGAACCCCGC	CCTATTGGCA	CTCGTTACCT
42_12	AATACTGAGG	GTACTTATTC	AGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
AAV1	GACAACAATG	GACTTTATAC	TGAGCCTCGC	CCCATTGGCA	CCCGTTACCT
AAV2	GATACTAATG	GCGTGTATTC	AGAGCCTCGC	CCCATTGGCA	CCAGATACCT
AAV3	GACACTAATG	GTGTTTATAG	TGAACCTCGC	CCTATTGGAA	CCCGGTATCT
AAV8	AATACAGAAG	GCGTGTACTC	TGAACCCCGC	CCCATTGGCA	CCCGTTACCT
AAV9	AATACCGAAG	GTGTTTACTC	TGAGCCTCGC	CCCATTGGTA	CTCGTTACCT
AAV7	GACAGCCAGG	GTGTTTACTC	TGAGCCTCGC	CCTATTGGCA	CTCGTTACCT
44_2	AACACAGATG	GCACTTATTC	TGAGCCTCGC	CCCATCGGCA	CCCGTTACCT

Fig. 1AAAL

	4451		VP1-3 stop		Poly A signal	4500
42_2	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
42_8	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGC	TAATTCGTTT	
42_15	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
42_5b	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
42_1b	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TGATTCGTTT	
42_13	CACCCGTAGC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TGATTCGTTT	
42_3a	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
42_4	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
42_5a	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
42_10	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
42_3b	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
42_11	CACCCGTAAC	CTGTAATTAC	TTGTTAATCA	ATAAACCGGT	TGATTCGTTT	
42_6b	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
43_1	CACCCGTAAT	CTGTAATTGC	TTGTTAATCA	ATAAACCGGT	.....	
43_5	CACCCGTAAT	CTGTAATTGC	TTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
43_12	CACCCGTAAT	CTGTAATTGC	TTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
43_20	CACCCGCAAC	CTGTAATTAC	ATGTTAATCA	ATAAACCGGT	TAATTCGTTT	
43_21	CACCCGCAAC	CTGTAATTAC	ATGTTAATCA	ATAAACCGGT	TAATTCGTTT	
43_23	CACCCGCAAC	CTGTAATTAC	ATGTTAATCA	ATAAACCGGT	TAATTCGTTT	
43_25	CACCCGCAAC	CTGTAATTAC	ATGTTAATCA	ATAAACCGGT	TAATTCGTTT	
44_1	CACCCGTAAT	CTGTAATTGC	TCGTTAATCA	ATAAACCGGT	TGATTCGTTT	
44_5	CACCCGTAAT	CTGTAATTGC	TTGTTAATCA	ATAAACCGGT	TGATTCGTTT	
223_10	.....	.....	.....	.....	.....	
223_2	.....	.....	.....	.....	.....	
223_4	.....	.....	.....	.....	.....	
223_5	.....	.....	.....	.....	.....	
223_6	.....	.....	.....	.....	.....	
223_7	.....	.....	.....	.....	.....	
A3_4	TACCCGGAAC	TTGTAATTTT	CTGTTAATGA	ATAAACCGAT	TTATGCGTTT	
A3_5	TACCCGGAAC	TTGTAATTTT	CTGTTAATGA	ATAAACCGAT	TTATGCGTTT	
A3_7	TACCCGGAAC	TTGTAATTTT	CTGTTAATGA	ATAAACCGAT	TTATGCGTTT	
A3_3	TACCCGGAAC	TTGTAATTTT	CTGTTAATGA	ATAAGCCGAT	TTATGCGTTT	
42_12	CACCCGTAAC	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
AAV1	TACCCGTCCC	CTGTAATTAC	GTGTTAATCA	ATAAACCGGT	TGATTCGTTT	
AAV2	GACTCGTAAT	CTGTAATTGC	TTGTTAATCA	ATAAACCGTT	TAATTCGTTT	
AAV3	CACACGAAAC	TTGTGAATCC	TGGTTAATCA	ATAAACCGTT	TAATTCGTTT	
AAV8	CACCCGTAAT	CTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TGATTCGTTT	
AAV9	CACCCGTAAT	TTGTAATTGC	CTGTTAATCA	ATAAACCGGT	TAATTCGTTT	
AAV7	CACCCGTAAT	CTGTAATTGC	ATGTTAATCA	ATAAACCGGT	TGATTCGTTT	
44_2	CACCCGTAAT	CTGTAATTGC	TTGTTAATCA	ATAAACCGGT	TGATTCGTTT	
		vp1-3 stop		PolyA signal		

Fig. 1AAAM

	4501				4550
42_2	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_8	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_15	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_5b	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTCGTTTA	AACCTGCAGG
42_1b	CAGTTGAACT	TTGGTCTC..	...AAGGGCG	AATTC.....	
42_13	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_3a	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_4	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_5a	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_10	CAGTTGAACT	TTGGTC....	...AAGGGCG	AATTC.....	
42_3b	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_11	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
42_6b	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
43_1	.....	.....	.....	.....	
43_5	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTCGTTTA	AACCTGCAGG
43_12	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
43_20	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
43_21	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
43_23	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
43_25	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
44_1	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
44_5	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
223_10	.....	.....	.....	.....	
223_2	.....	.....	.....	.....	
223_4	.....	.....	.....	.....	
223_5	.....	.....	.....	.....	
223_6	.....	.....	.....	.....	
223_7	.....	.....	.....	.....	
A3_4	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTCGC.GG	CCGCTA....
A3_5	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
A3_7	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
A3_3	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTCGT.TT	AAACCT....
42_12	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	
AAV1	CAGTTGAACT	TTGGTCTCCT	GTCCTTCTTA	TCTTATCGGT	TACCATGGTT
AAV2	CAGTTGAACT	TTGGTCTC.T	GCGTATTCT	..TTCTT.AT	CTAGTTTCCA
AAV3	CAGTTGAACT	TTGGTCTC.T	GTGCACTTCT	TTATCTTTAT	CTTGTTTCCA
AAV8	CAGTTGAACT	TTGGTCTC.T	GCG.....	.....	
AAV9	CAGTTGAACT	TTGGTCTC.T	GCG.....	.....	
AAV7	CAGTTGAACT	TTGGTCTCCT	GTGCTTCTTA	TCTTATCGGT	TTCCATAGCA
44_2	CAGTTGAACT	TTGGTCTC.T	GCGAAGGGCG	AATTC.....	

Fig. 1AAAN

	4551				4600
42_2					
42_8					
42_15					
42_5b	ACTAGTCCCT	TTAGTGAGGG	TTAATTCTGA	G.....	.....
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5	AC.....	.....	.....	.....	.....
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	ATAGCTTACA	CATTAAGTGC	TTGGTTGCGC	T.....	.....
AAV2	TGGCTAC...	GTAATAAGT	AGC.....	.....	.....
AAV3	TGGCTACTGC	GTAATAAGC	AGCGGCCTGC	GGCGCTTGCG	CTTCGCGGTT
AAV8					
AAV9					
AAV7	ACTGGTTACA	CATTAAGTGC	TTGGGTGCGC	TTCACGATAA	GAACACTGAC
44_2					

Fig. 1AAAO

	4601				4650
42_2					
42_8					
42_15					
42_5b	CTTGGC	GTAATCATGG	GTCATAG...	.....	.....
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	TCGCGA	TAAAAGACTT	ACGTCATCGG	GTTACCCCTA	GTGATGGAGT
AAV2	ATGGCG	GGTTAATCAT	TAAC TACAAG	GA:ACCCCTA	GTGATGGAGT
AAV3	TACAACTGCT	GGTTAATATT	TAAC TCTCGC	CATACCTCTA	GTGATGGAGT
AAV8					
AAV9					
AAV7			..GTCACCGC	GGTACCCCTA	GTGATGGAGT
44_2					

Fig. 1AAAP

	4651				4700
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	TGCCCCACTCC	CTCTCTGCGC	GCTCGCTCGC	TCGGTGGGGC	CTGCCGACCA
AAV2	TGGCCACTCC	CTCTCTGCGC	GCTCGCTCGC	TCACTGAGGC	CGGGCGACCA
AAV3	TGCCCCACTCC	CTCTATGCGC	ACTCGCTCGC	TCGGTGGGGC	CTGGCGACCA
AAV8					
AAV9					
AAV7	TGGCCACTCC	CTCTATGCGC	GCTCGCTCGC	TCGGTGGGGC	CTGCCGACCA
44_2					

Fig. 1AAAQ

	4701				4750
42_2					
42_8					
42_15					
42_5b					
42_1b					
42_13					
42_3a					
42_4					
42_5a					
42_10					
42_3b					
42_11					
42_6b					
43_1					
43_5					
43_12					
43_20					
43_21					
43_23					
43_25					
44_1					
44_5					
223_10					
223_2					
223_4					
223_5					
223_6					
223_7					
A3_4					
A3_5					
A3_7					
A3_3					
42_12					
AAV1	AAGGTCCGCA	GACGGCAGAG	CTCTGCTCTG	CCGGCCCCAC	CGAGCGAGCG
AAV2	AAGGTCGCCC	GACGCCCCGG	CTTTGCCCCG	GCGGCCTCAG	TGAGCGAGCG
AAV3	AAGGTCGCCA	GACGGACGTG	CTTTGCACGT	CCGGCCCCAC	CGAGCGAGCG
AAV8					
AAV9					
AAV7	AAGGTCCGCA	GACGGCAGAG	CTCTGCTCTG	CCGGCCCCAC	CGAGCGAGCG
44_2					

Fig. 1AAAR

	4751		4774
42_2			
42_8			
42_15			
42_5b			
42_1b			
42_13			
42_3a			
42_4			
42_5a			
42_10			
42_3b			
42_11			
42_6b			
43_1			
43_5			
43_12			
43_20			
43_21			
43_23			
43_25			
44_1			
44_5			
223_10			
223_2			
223_4			
223_5			
223_6			
223_7			
A3_4			
A3_5			
A3_7			
A3_3			
42_12			
AAV1	AGCGCGCAGA	GAGGGAGTGG	GCAA
AAV2	AGCGCGCAGA	GAGGGAGTGG	CCAA
AAV3	AGTGCGCATA	GAGGGAGTGG	CCAA
AAV8			
AAV9			
AAV7	AGCGCGCATA	GAGGGAGTGG	CCAA
44_2			

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[illegible]

This image is a vertical strip containing a dense, repeating pattern of small, stylized figures or characters. The pattern appears to be a decorative border or a highly compressed text strip, possibly from a traditional East Asian manuscript. The figures are small and stylized, arranged in a regular, repeating sequence along the length of the strip.

Fig. 2c

[illegible]

Fig. 2D

[illegible]

[illegible]

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Fig. 3A

Met	Pro	Gly	Phe	Tyr	Glu	Ile	Val	Ile	Lys	Val	Pro	Ser	Asp	Leu	Asp	1	5	10	15
Glu	His	Leu	Pro	Gly	Ile	Ser	Asp	Ser	Phe	Val	Asn	Trp	Val	Ala	Glu	20	25	30	
Lys	Glu	Trp	Glu	Leu	Pro	Pro	Asp	Ser	Asp	Met	Asp	Leu	Asn	Leu	Ile	35	40	45	
Glu	Gln	Ala	Pro	Leu	Thr	Val	Ala	Glu	Lys	Leu	Gln	Arg	Asp	Phe	Leu	50	55	60	
Val	Gln	Trp	Arg	Arg	Val	Ser	Lys	Ala	Pro	Glu	Ala	Leu	Phe	Phe	Val	65	70	75	80
Gln	Phe	Glu	Lys	Gly	Glu	Ser	Tyr	Phe	His	Leu	His	Val	Leu	Val	Glu	85	90	95	
Thr	Thr	Gly	Val	Lys	Ser	Met	Val	Leu	Gly	Arg	Phe	Leu	Ser	Gln	Ile	100	105	110	
Arg	Glu	Lys	Leu	Val	Gln	Thr	Ile	Tyr	Arg	Gly	Val	Glu	Pro	Thr	Leu	115	120	125	
Pro	Asn	Trp	Phe	Ala	Val	Thr	Lys	Thr	Arg	Asn	Gly	Ala	Gly	Gly	Gly	130	135	140	
Asn	Lys	Val	Val	Asp	Glu	Cys	Tyr	Ile	Pro	Asn	Tyr	Leu	Leu	Pro	Lys	145	150	155	160
Thr	Gln	Pro	Glu	Leu	Gln	Trp	Ala	Trp	Thr	Asn	Met	Glu	Glu	Tyr	Ile	165	170	175	
Ser	Ala	Cys	Leu	Asn	Leu	Ala	Glu	Arg	Lys	Arg	Leu	Val	Ala	Gln	His	180	185	190	
Leu	Thr	His	Val	Ser	Gln	Thr	Gln	Glu	Gln	Asn	Lys	Glu	Asn	Leu	Asn	195	200	205	
Pro	Asn	Ser	Asp	Ala	Pro	Val	Ile	Arg	Ser	Lys	Thr	Ser	Ala	Arg	Tyr	210	215	220	

Fig. 3B

Met	Glu	Leu	Val	Gly	Trp	Leu	Val	Asp	Arg	Gly	Ile	Thr	Ser	Glu	Lys	225	230	235	240
Gln	Trp	Ile	Gln	Glu	Asp	Gln	Ala	Ser	Tyr	Ile	Ser	Phe	Asn	Ala	Ala	245	250	255	
Ser	Asn	Ser	Arg	Ser	Gln	Ile	Lys	Ala	Ala	Leu	Asp	Asn	Ala	Gly	Lys	260	265	270	
Ile	Met	Ala	Leu	Thr	Lys	Ser	Ala	Pro	Asp	Tyr	Leu	Val	Gly	Pro	Ser	275	280	285	
Leu	Pro	Ala	Asp	Ile	Lys	Thr	Asn	Arg	Ile	Tyr	Arg	Ile	Leu	Glu	Leu	290	295	300	
Asn	Gly	Tyr	Asp	Pro	Ala	Tyr	Ala	Gly	Ser	Val	Phe	Leu	Gly	Trp	Ala	305	310	315	320
Gln	Lys	Lys	Phe	Gly	Lys	Arg	Asn	Thr	Ile	Trp	Leu	Phe	Gly	Pro	Ala	325	330	335	
Thr	Thr	Gly	Lys	Thr	Asn	Ile	Ala	Glu	Ala	Ile	Ala	His	Ala	Val	Pro	340	345	350	
Phe	Tyr	Gly	Cys	Val	Asn	Trp	Thr	Asn	Glu	Asn	Phe	Pro	Phe	Asn	Asp	355	360	365	
Cys	Val	Asp	Lys	Met	Val	Ile	Trp	Trp	Glu	Glu	Gly	Lys	Met	Thr	Ala	370	375	380	
Lys	Val	Val	Glu	Ser	Ala	Lys	Ala	Ile	Leu	Gly	Gly	Ser	Lys	Val	Arg	385	390	395	400
Val	Asp	Gln	Lys	Cys	Lys	Ser	Ser	Ala	Gln	Ile	Asp	Pro	Thr	Pro	Val	405	410	415	
Ile	Val	Thr	Ser	Asn	Thr	Asn	Met	Cys	Ala	Val	Ile	Asp	Gly	Asn	Ser	420	425	430	
Thr	Thr	Phe	Glu	His	Gln	Gln	Pro	Leu	Gln	Asp	Arg	Met	Phe	Lys	Phe	435	440	445	

Fig. 3C

Glu Leu Thr Arg Arg Leu Glu His Asp Phe Gly Lys Val Thr Lys Gln
450 455 460

Glu Val Lys Glu Phe Phe Arg Trp Ala Ser Asp His Val Thr Glu Val
465 470 475 480

Ala His Glu Phe Tyr Val Arg Lys Gly Gly Ala Ser Lys Arg Pro Ala
485 490 495

Pro Asp Asp Ala Asp Ile Ser Glu Pro Lys Arg Ala Cys Pro Ser Val
500 505 510

Ala Asp Pro Ser Thr Ser Asp Ala Glu Gly Ala Pro Val Asp Phe Ala
515 520 525

Asp Arg Tyr Gln Asn Lys Cys Ser Arg His Ala Gly Met Ile Gln Met
530 535 540

Leu Phe Pro Cys Lys Thr Cys Glu Arg Met Asn Gln Asn Phe Asn Ile
545 550 555 560

Cys Phe Thr His Gly Val Arg Asp Cys Leu Glu Cys Phe Pro Gly Val
565 570 575

Ser Glu Ser Gln Pro Val Val Arg Lys Lys Thr Tyr Arg Lys Leu Cys
580 585 590

Ala Ile His His Leu Leu Gly Arg Ala Pro Glu Ile Ala Cys Ser Ala
595 600 605

Cys Asp Leu Val Asn Val Asp Leu Asp Asp Cys Val Ser Glu Gln
610 615 620