

Table S1. Number of primer mismatches for adenovirus species and serotypes. Mismatches were estimated using NCBI Primer-BLAST.

Subgroup	Species	Accession	Forward Mismatch	Reverse Mismatch	Total Mismatch
A	RANGE		2-4	2-4	4-8
	12	AB330093.1	4	4	8
	18	FJ025931.1	3	4	7
	31	FJ025906.1	2	2	4
B	RANGE		2-4	3-4	5-7
	B	JX423388.1	2	3	5
	3	EF486506.1	2	3	5
	7	AB330088.1	2	3	5
	11	FJ841906.1	3	4	7
	14	FJ841901.1	3	4	7
	16	AB330097.1	2	3	5
	21	AB330102.1	2	3	5
	34	FJ025905.1	2	4	6
	35	AB330116.1	3	4	7
	50	HQ241820.1	4	3	7
	55	JX123029.1	3	4	7
C	RANGE		2-2	3-4	5-7
	C	JX173077.1	2	3	5
	1	AB330082.1	3	4	7
	5	AB330086.1	2	3	5
	2	EU128938.1	2	3	5
	6	FJ349096.1	2	3	5
D			2-4	2-3	4-7
	8	AB500121.1	4	3	7
	9	AB330090.1	3	3	6
	10	AB330091.1	3	3	6
	13	AB330094.1	3	3	6
	15	AB330096.1	3	3	6
	17	HQ910407.1	3	3	6
	19	AB448774.1	3	2	5
	20	AB330101.1	4	3	7
	22	FJ619037.1	3	3	6
	23	AB330104.1	3	2	5
	25	DQ149623.1	2	2	4
	26	FJ025923.1	3	3	6
	27	AB330108.1	3	3	6
	28	FJ824826.1	3	3	6
	29	AB330110.1	3	3	6
	30	FJ025920.1	3	3	6
	32	AB330113.1	3	3	6
	33	FJ025908.1	2	3	5
	36	GQ384080.1	3	3	6
	37	FJ025921.1	3	3	6
	38	AB330119.1	3	3	6
	39	AB330120.1	3	2	5
	42	FJ025902.1	2	3	5
	43	AB330124.1	3	3	6
	44	AB330125.1	3	2	5
	45	AB330126.1	4	3	7
	46	AB330127.1	3	3	6
	47	AB330128.1	3	3	6

	48	AB330129.1	3	2	5
	49	AB330130.1	3	3	6
	51	AB330132.1	3	3	6
	53	AB605245.1	3	3	6
	54	AB448770.2	4	3	7
	56	AB719408.1	3	3	6
E	E	M16692.1	2	2	4
F	4	AB330085.1	3	2	5
			2-3	4-5	6-7
	F	L19443.1	3	4	7
	40	FJ025926.1	2	4	6
	41	FJ025913.1	2	5	7

Table S2. Number of sequences annotated for each sample

Sample		Annotated Sequences
Wastewater Treatment	In	602
Plant 1	Out	465
Wastewater Treatment	In	132
Plant 2	Out	117
Wastewater Treatment	In	75
Plant 3	Out	201
Wastewater Treatment	In	6
Plant 4	Out	76
Wastewater Treatment	In	87
Plant 5	Out	161