

Table S3. Location and weighted copy number of duplications in adenosine growth variants

* Genomic location of the start and stop, and gene locus tag/name according to pseudomonas.com.

** Adenosine growth variants described in Table 1.

*** GDA calculations were performed using StrandNGS version 2.9 WG CNV (whole genome copy number variation) Detection with default parameters. Two separate wild-type PAO1 sequences were used as "normal" samples to define baseline gene copy number using the "tumor-normal" pairing, while each adenosine variant was defined as "tumor."

**** StrandNGS version 2.9 assumes analysis of diploid organisms and sets baseline copy number of genes at 2. To correct for this, the weighted copy number was divided by 2 to reflect the haploid nature of bacteria and then rounded to the nearest whole number. Highlighted regions are those genes with weighted copy number > 1.0

PAO1 Gene *				Variant A [†]				Variant B [‡]				Variant C [§]				Variant D [¶]				Variant E								
Start	End	Gene	#CNV Regions [¶]	#Amplification Regions [¶]	Percent Normal [¶]	Weighted Copy Number [¶]	#CNV Regions [¶]	#Amplification Regions [¶]	Percent Normal [¶]	Weighted Copy Number [¶]	#CNV Regions [¶]	#Amplification Regions [¶]	Percent Normal [¶]	Weighted Copy Number [¶]	#CNV Regions [¶]	#Amplification Regions [¶]	Percent Normal [¶]	Weighted Copy Number [¶]	#CNV Regions [¶]	#Amplification Regions [¶]	Percent Normal [¶]	Weighted Copy Number [¶]	#CNV Regions [¶]	#Amplification Regions [¶]	Percent Normal [¶]	Weighted Copy Number [¶]		
131808	132602	PAO110	1	1	51.45	48.55	1.31	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
132577	133155	PAO111	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
133220	134299	PAO112	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
134319	135233	PAO113	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
135259	135894	serC	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
135934	136386	PAO115	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
136518	136991	PAO116	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
137248	137976	PAO117	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
138001	138588	PAO118	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
138818	140167	PAO119	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
140216	140902	PAO120	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
141003	141737	PAO121	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
141917	142327	PAO122	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
142359	143167	PAO123	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
143567	143848	PAO124	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
143845	144072	PAO125	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
144248	144868	PAO126	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
144969	145469	PAO127	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
145542	145883	PAO128	1	1	100	0	1.61	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	0	0	100	1	
145965	147392	gabP	1	1	100	0	1.61	0	0	100	1	1	1	98.88	1.12	8.50	0	0	100	1	1	1	100	1	1	1	100	1
147561	149054	PAO130	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
149138	149425	PAO131	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
149425	150771	PAO132	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
150906	151823	PAO133	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
151936	153306	PAO134	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
153696	153836	PAO135	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
154417	155988	PAO136	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
155988	157085	PAO137	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
157108	158034	PAO138	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
158199	158762	ohpC	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
158907	160472	ohpF	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
160552	161448	PAO141	1	1	100	0	1.61	0	0	100	1	1	1	100	0	8.59	0	0	100	1	1	1	100	1	1	1	100	1
161906	163255	PAO142	1	1	100	0	1.61	1	1	18.07	81.93	2.56	1	1	100	0	8.59	1	1	78.15	21.85	8.03	1	1	1	100	0	
163363	164415	nub	1	1	100	0	1.61	1	1	9.61	90.39	0	0	100	0	8.59	1	1	100	0	0	100	0	0	100	0	100	0
164443	165069	PAO144	1	1	100	0	1.61	1	1	100	0	9.61	1	1	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
165219	165737	PAO145	1	1	100	0	1.61	1	1	100	0	9.61	1	1	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
165976	167073	PAO146	1	1	100	0	1.61	1	1	100	0	9.61	1	1	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
167146	168108	PAO147	1	1	100	0	1.61	1	1	100	0	9.61	1	1	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
168213	169163	PAO148	1	1	100	0	1.61	1	1	100	0	9.61	1	1	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
169361	169906	PAO149	1	1	100	0	1.61	1	1	100	0	9.61	1	1	25.46	74.54	2.93	1	1	100	0	10	1	1	1	100	0	
169903	170898	PAO150	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
171047	173434	PAO151	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
173811	174638	pcwQ	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
174773	175492	pcwH	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
175503	176108	pcwG	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
176315	177154	pcwR	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
177307	178458	PAO156	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
178455	179525	PAO157	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
179522	182569	PAO158	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
182768	183706	PAO159	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
183822	184007	PAO160	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
184594	185928	opdC	1	1	100	0	1.61	1	1	100	0	9.61	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
185957	186754	PAO163	1	1	100	0	1.61	1	1	71.93	28.07	7.20	0	0	100	0	8.59	1	1	100	0	10	1	1	1	100	0	
186832	188448	PAO164	1	1	100	0	1.61	0	0	100	1	0	0	100	0	8.59	1	1	100	0	10	1	1	1	1	100	0	
189120	189956	PAO165	1	1	100	0	1.61	0	0	100	1	0	0	100	0	8.59	1	1	100	0	10	1	1	1	1	100	0	
190198	191604	PAO166	1	1	100	0	1.61	0	0	100	1	0	0															