

Table S14.

		$q1_{\Delta r}$ (count)	$q2_{\Delta r}$	$q3_{\Delta r}$	$q4_{\Delta r}$	χ^2 test P value (Bonferroni correction)
A. charge score	1	571	591	637	708	0.00051 (0.0015)
	0	267	241	256	213	0.08
	-1	419	425	363	336	0.0022 (0.0065)
	Binomial test on +1 and -1 charge score counts, P value (Bonferroni correction)	1.5e-06 (6.0e-06)	2.1e-07 (8.4e-07)	< 2.2e-16 (8.8e-16)	< 2.2e-16 (8.8e-16)	-
B. tAI score	1	595	589	573	539	0.35
	0	0	0	0	0	-
	-1	662	668	683	718	0.45
	Binomial test on +1 and -1 tAI score counts, P value (Bonferroni correction)	0.06 (0.24)	0.03 (0.12)	0.0021 (8.4e-03)	4.9e-07 (2.0e-06)	-
C. rare pair score <i>rare 6-mer score</i>	1	181 126	162 107	152 85	87 46	1.7e-07 (5.0e-07) 1.8e-08 (5.4e-08)
	0	858 382	912 401	913 425	1048 499	1.0e-06 (3.0e-04) 0.00035 (1.1e-03)
	-1	218 199	183 198	191 196	122 161	4.4e-06 (1.3e-05) 0.15
	Binomial test on +1 and -1 rare pair score counts, P value (Bonferroni correction)	0.07 6.1e-05 (2.4e-04)	0.28 2.1e-07 (8.4e-07)	0.040 (0.16) 3.0e-11 (1.2e-10)	0.018 (0.072) 3.8e-16 (1.5e-15)	-
C. PARS score <i>conservative PARS score</i>	1	86 301	72 271	80 290	57 292	0.093 0.065
	0	466 0	509 0	500 0	543 0	0.11 -
	-1	154 405	125 435	126 416	107 415	0.032 (0.096) 0.77
	Binomial test on +1 and -1 rare pair score counts, P value (Bonferroni correction)	1.3e-05 (5.2e-05) 0.00010 (0.00040)	0.00020 (0.00080) 7.2e-10 (2.9e-09)	0.0017 (0.0068) 2.4e-06 (9.6e-06)	0.00012 (0.00048) 4.2e-06 (1.7e-05)	-

Table S14. Table 1 done again on the non-redundant footprint location set.