

TableS3 Quality control of BL-Hi-C experiments

Condition	replicate	total PETs	Valid PETs	Unique_paired_alignments	Valid_interaction_pairs	valid_interaction_rmdup	trans_interaction	cis_interaction	cis/trans
1,6-HD(-)	rep1-1	29438000	25331673	16935472	11557498	-	-	-	-
	rep2-1	33252468	28509616	18677317	13467020	-	-	-	-
	rep3-1	45893846	39778132	26418191	19407786	-	-	-	-
	rep1-2	749122163	644608079	428365449	290268716	-	-	-	-
	rep2-2	755428345	647842397	421512295	301757571	-	-	-	-
	rep3-2	776025450	672469129	444162683	324363301	-	-	-	-
	Summary	2389160272	2058539026	1356071407	960821892	649465091	111696727	537768364	4.81
1,6-HD(+)	rep1-1	41589365	35909324	22788602	18977150	-	-	-	-
	rep2-1	38072170	31992728	20027819	16345180	-	-	-	-
	rep3-1	29154137	24401207	14952963	11759364	-	-	-	-
	rep1-2	747180413	645103059	405872089	335937700	-	-	-	-
	rep2-2	666975425	558536859	343261747	276368714	-	-	-	-
	rep3-2	586417942	489337783	295982287	229752090	-	-	-	-
	Summary	2109389452	1785280960	1102885507	889140198	647066749	148821974	498244775	3.35