

Table S1. Statistics of whole genome sequencing data

Pair-end Libraies	Read length (bp)	Insert size (bp)	Data (Gb)	Sequence depth (X)	Physical Depth
WHAIPi003160-17 (WGA)	100	500	78.3	117.6	293.9
WHAMPI005110-15 (WGA)	100	800	40.2	60.4	241.4
Total WGA			118.5	177.9	535.4
SZABPI016318-44	100	170	26.2	39.3	33.4
SZABPI016319-43	100	170	24.1	36.2	30.8
SZAXPI024841-20	150	250	16.0	24.0	20.0
SZAXPI024840-21	150	250	24.6	36.9	30.8
SZAXPI016317-45	100	300	21.8	32.7	49.1
SZAXPI016322-46	100	300	25.8	38.7	58.1
SZAIPi015534-20	100	500	19.1	28.7	71.7
SZAIPi015533-21	100	500	24.0	36.0	90.1
SZAMPI015532-22	100	800	22.1	33.2	132.7
SZAMPI015531-23	100	800	25.7	38.6	154.4
Short insert libraries			229.4	344.5	671.1
BEMebzDAEDWAAPEI-31	49	2000	15.9	23.9	487.2
BEMebzDAEDWABPEI-37	49	2000	16.5	24.8	505.6
BEMebzDAEDLBAPEI-35	49	5000	11.4	17.1	873.3
BEMebzDAEDLAAPEI-34	49	5000	15.0	22.5	1149.1
BEMebzDAEDTBAPEI-44	49	10000	9.2	13.7	1401.9
BEMebzDAEDTAAPEI-41	49	10000	7.8	11.8	1199.7
BEMebzDAEDUAAPEI-37	49	20000	2.4	3.7	744.6
BEMebzDAEDVAAPEI-41	49	40000	2.0	3.1	1250.2
Large insert libraries			80.3	120.5	7611.7
Total	-	-	428.2	642.9	8818.1