

Supplemental Table S3. Summary of the pig genome assemblies.

Type	Breeds	Total length (bp)	Max length (bp)	Average length (bp)	N50 length (bp)	N70 length (bp)	N90 length (bp)	N50 Number	N70 Number	N90 Number
Contigs (Calculated using the fragments > 100 bp)	Rongchang	2.48E+09	3.61E+05	4,086	35,338	20,921	7,210	20,272	38,503	76,329
	Bamei	2.49E+09	3.37E+05	4,038	34,832	20,481	6,862	20,629	39,246	78,325
	Jinhua	2.48E+09	3.22E+05	4,557	38,561	23,022	8,167	18,629	35,208	69,150
	Meishan	2.49E+09	2.88E+05	3,882	28,070	16,615	5,479	25,703	48,719	97,208
	Large White	2.47E+09	3.52E+05	4,965	37,670	22,699	8,274	19,152	36,038	70,002
	Berkshire	2.46E+09	3.62E+05	5,381	38,450	23,165	8,734	18,862	35,313	68,107
	Hampshire	2.45E+09	4.04E+05	6,194	41,906	25,677	10,024	17,422	32,317	61,397
	Landrace	2.46E+09	4.94E+05	5,383	38,678	23,238	8,704	18,683	35,065	67,894
	Piétrain	2.45E+09	3.61E+05	5,730	39,886	24,000	9,230	18,154	33,990	65,300
Contigs (Calculated using the fragments > 500 bp)	Rongchang	2.41E+09	3.61E+05	14,672	36,516	22,273	9,274	19,259	36,144	68,362
	Bamei	2.41E+09	3.37E+05	13,890	36,014	21,807	8,951	19,599	36,829	69,979
	Jinhua	2.41E+09	3.22E+05	15,389	39,702	24,341	10,136	17,814	33,320	62,865
	Meishan	2.42E+09	2.88E+05	11,447	28,989	17,655	7,122	24,463	45,829	87,090
	Large White	2.41E+09	3.52E+05	15,452	38,659	23,813	9,973	18,412	34,337	64,413
	Berkshire	2.41E+09	3.62E+05	16,230	39,286	24,206	10,270	18,202	33,798	63,242
	Hampshire	2.41E+09	4.04E+05	18,247	42,660	26,636	11,468	16,899	31,135	57,694
	Landrace	2.41E+09	4.94E+05	16,078	39,568	24,262	10,227	18,032	33,562	63,044
	Piétrain	2.41E+09	3.61E+05	16,840	40,747	24,999	10,671	17,565	32,633	61,006
Scaffolds (Calculated using the fragments > 100 bp)	Rongchang	2.51E+09	1.54E+07	5,152	2,291,036	1,322,474	354,452	327	617	1,289
	Bamei	2.51E+09	1.34E+07	5,087	1,480,659	842,824	210,120	481	929	1,999
	Jinhua	2.50E+09	1.01E+07	5,745	1,437,885	831,201	214,869	484	936	2,001
	Meishan	2.52E+09	8.22E+06	5,133	1,221,680	701,790	172,852	598	1,138	2,450
	Large White	2.50E+09	1.14E+07	6,520	2,382,354	1,378,587	410,311	316	592	1,206
	Berkshire	2.48E+09	8.41E+06	7,147	1,627,881	932,612	288,111	434	833	1,717
	Hampshire	2.47E+09	9.17E+06	8,344	1,529,334	897,528	281,683	450	869	1,795
	Landrace	2.48E+09	1.36E+07	7,158	1,396,470	831,438	262,033	512	973	1,960
	Piétrain	2.48E+09	9.96E+06	7,704	1,649,526	955,199	289,502	436	829	1,725

Scaffolds (Calculated using the fragments > 500 bp)	Rongchang	2.44E+09	1.54E+07	54,283	2,357,971	1,403,674	483,528	312	580	1,132
	Bamei	2.44E+09	1.34E+07	46,265	1,539,927	907,052	310,646	457	871	1,746
	Jinhua	2.43E+09	1.01E+07	50,122	1,493,194	885,524	301,670	462	884	1,776
	Meishan	2.45E+09	8.22E+06	39,538	1,261,123	748,200	248,939	570	1,070	2,144
	Large White	2.44E+09	1.14E+07	57,741	2,446,755	1,447,777	519,572	305	564	1,094
	Berkshire	2.43E+09	8.41E+06	62,639	1,679,101	975,996	352,650	418	795	1,572
	Hampshire	2.43E+09	9.17E+06	74,277	1,557,999	937,074	332,814	436	836	1,665
	Landrace	2.43E+09	1.36E+07	60,767	1,419,053	876,306	322,289	494	931	1,802
	Piétrain	2.43E+09	9.96E+06	66,382	1,671,083	1,006,842	355,662	422	795	1,591