

Supplementary Table S1. Study samples and origin

No.	Sample genome IDs	Geographical locaton	Genes
1	ERR274221	Sarikei, Malaysian Borneo	K13 and dhps
2	ERR274222	Sarikei, Malaysian Borneo	K13 and dhps
3	ERR366425	Sarikei, Malaysian Borneo	K13 and dhps
4	ERR366426	Sarikei ,Malaysian Borneo	K13 and dhps
5	ERR985374	Betong, Malaysian Borneo	K13 and dhps
6	ERR985376	Betong, Malaysian Borneo	K13 and dhps
7	ERR985377	Betong, Malaysian Borneo	K13 and dhps
8	ERR985378	Betong, Malaysian Borneo	K13 and dhps
9	ERR985379	Betong, Malaysian Borneo	K13 and dhps
10	ERR985380	Betong, Malaysian Borneo	K13
11	ERR985381	Betong, Malaysian Borneo	K13
12	ERR985382	Betong, Malaysian Borneo	K13 and dhps
13	ERR985385	Kapit, Malaysian Borneo	K13 and dhps
14	ERR985386	Kapit, Malaysian Borneo	K13
15	ERR985387	Kapit, Malaysian Borneo	K13 and dhps
16	ERR985388	Kapit, Malaysian Borneo	K13 and dhps
17	ERR985390	Kapit, Malaysian Borneo	K13 and dhps
18	ERR985392	Kapit, Malaysian Borneo	K13 and dhps
19	ERR985393	Kapit, Malaysian Borneo	K13
20	ERR985394	Kapit, Malaysian Borneo	K13 and dhps
21	ERR985395	Kapit, Malaysian Borneo	K13
22	ERR985396	Kapit, Malaysian Borneo	K13
23	ERR985397	Kapit, Malaysian Borneo	K13 and dhps
24	ERR985404	Kapit, Malaysian Borneo	K13 and dhps
25	ERR985405	Kapit, Malaysian Borneo	K13 and dhps
26	ERR985406	Kapit, Malaysian Borneo	K13 and dhps

27	ERR985407	Kapit, Malaysian Borneo	K13 and dhps
28	ERR985408	Kapit, Malaysian Borneo	K13 and dhps
29	ERR985409	Kapit, Malaysian Borneo	K13 and dhps
30	ERR985410	Betong, Malaysian Borneo	K13 and dhps
31	ERR985411	Betong, Malaysian Borneo	K13 and dhps
32	ERR985416	Kapit, Malaysian Borneo	K13
33	ERR985417	Kapit, Malaysian Borneo	K13 and dhps
34	ERR985418	Kapit, Malaysian Borneo	K13 and dhps
35	ERR985384	Betong, Malaysian Borneo	K13 and dhps
36	ERR985383	Betong, Malaysian Borneo	K13 and dhps
38	Malayan Strain Pk1A PKNOH_S140247700	P. Malaysia	K13
39	H-strain(PKNH_142990) and PKNH_1257700	P. Malaysia	K13 and dhps
40	ERR985389	Kapit, Malaysian Borneo	K13 and dhps

P: Peninsular