

**Supplementary Table S2.** Genotypes at the five microsatellite polymorphic loci of cultivated nameko mushrooms (*Pholiota microspora*). The ID codes for the samples were identified in Table 1.

ID	<i>Phmi08</i>	<i>Phmi13</i>	<i>Phmi14</i>	<i>Phmi17</i>	<i>Phmi23</i>
F27	139/139	157/157	154/154	222/222	307/307
Tohoku-N104	139/139	157/157	154/154	222/222	307/307
KX-N006	139/139	160/160	154/154	220/220	307/307
KX-N007	139/141	160/160	154/154	220/222	307/307
KX-N008	139/141	160/160	154/154	220/222	307/307
KX-N009	139/141	160/160	154/166	220/220	307/310
KX-N010	139/139	160/160	154/154	220/220	307/307
Tohoku-N123	139/141	157/160	154/154	222/222	307/307
Tohoku-N127	139/141	157/160	154/166	220/222	307/310
007	139/139	157/157	154/154	222/222	307/307
008	139/141	157/160	154/166	220/222	307/310
Mori-13	139/141	157/160	154/166	220/222	307/310
N245	139/141	157/160	154/166	222/222	307/310
N258	139/141	157/160	154/154	222/222	307/307
Hokken-N108	139/141	157/160	154/154	222/222	307/307
Hokken-N160	139/141	157/160	154/166	220/222	307/310
Fukushima-N1	139/141	157/160	154/154	220/222	307/310
N123	139/141	157/160	154/166	220/222	307/310
CP06	139/141	160/160	154/154	220/222	307/307
K17	139/141	160/160	154/154	220/222	307/307

K18	139/141	160/160	154/154	220/222	307/307
K19	139/141	160/160	154/154	220/222	307/307
K40	139/141	160/160	154/154	220/222	307/307
K41	139/141	160/160	154/154	220/222	307/307
CP09	139/141	160/160	154/154	220/222	307/307
CP01	139/141	160/160	154/166	220/220	307/310
K24	139/141	157/160	154/154	220/222	307/307
CP03	139/141	157/160	154/154	222/222	307/307
CP04	139/141	157/160	154/154	222/222	307/307
CP05	139/141	157/160	154/154	222/222	307/307
CP07	139/141	160/160	154/154	220/222	307/307
CP08	139/141	160/160	154/154	220/222	307/307
CP02	139/141	160/160	154/154	220/222	307/307
K43	139/141	160/160	154/154	220/222	307/307
K44	139/141	160/160	154/154	220/222	307/307
K46	139/141	160/160	154/154	220/222	307/307
K22	139/141	160/160	154/154	220/222	307/307
K45	139/141	160/160	154/154	220/222	307/307
K42	139/141	160/160	154/154	220/222	307/307
CP10	139/141	157/160	154/154	222/222	307/307
Original F27*	139/141	157/160	154/166	220/222	307/310

\* An estimated genotype of the original strain F27 at the time of collection was determined by the types of alleles found across all the cultivars.