

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
189947	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
198910	Solanum lycopersicum var. lycopersicum	Tomato	unknown	MNG	Central Asia
199431	Solanum lycopersicum var. lycopersicum	Tomato	unknown	KAZ	Central Asia
199433	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203240	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203241	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203242	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203245	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203246	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203247	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203248	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203249	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203250	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203252	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203253	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203254	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203256	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203257	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203261	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
203274	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
211844	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	UZB	Central Asia
216373	Solanum lycopersicum var. lycopersicum	Tomato	unknown	UZB	Central Asia
216401	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	MNG	Central Asia

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IT	Species	Crop	Classification	Origin	Geographic region
218636	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	KGZ	Central Asia
218645	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	MNG	Central Asia
219087	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	UZB	Central Asia
219088	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	UZB	Central Asia
219346	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	MNG	Central Asia
219443	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	UZB	Central Asia
229539	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	UZB	Central Asia
229629	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	UZB	Central Asia
229654	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	UZB	Central Asia
229679	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	KAZ	Central Asia
236149	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	UZB	Central Asia
236150	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	UZB	Central Asia
236151	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	UZB	Central Asia
236846	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	KGZ	Central Asia
237818	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	UZB	Central Asia
100500	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100501	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100502	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100503	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100504	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100505	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100506	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100507	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia

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IT	Species	Crop	Classification	Origin	Geographic region
100508	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100509	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
100510	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
112697	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
112699	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
112700	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
112701	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
112702	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
116984	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	JPN	East Asia
116985	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	JPN	East Asia
116986	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
116987	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
116988	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
116989	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	TWN	East Asia
116991	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	TWN	East Asia
160380	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
160381	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
160382	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
160383	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
160384	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
160385	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
171349	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
186733	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
186734	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
186735	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
186736	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
186737	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
186738	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
186739	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
188112	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
188128	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	TWN	East Asia
191046	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
191048	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
199438	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
199575	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PRK	East Asia
199576	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PRK	East Asia
199578	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PRK	East Asia
203420	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
211836	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
211837	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
211838	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
211842	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
213135	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
213136	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
213137	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
216399	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia

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IT	Species	Crop	Classification	Origin	Geographic region
216466	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
218649	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
219098	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	TWN	East Asia
219107	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	JPN	East Asia
219113	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	TWN	East Asia
219119	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	TWN	East Asia
219120	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	TWN	East Asia
219121	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	TWN	East Asia
219603	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	CHN	East Asia
219660	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	TWN	East Asia
229370	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
229371	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	KOR	East Asia
229547	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	CHN	East Asia
229651	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	TWN	East Asia
229707	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
229708	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
229709	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
229711	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
229712	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
229713	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
229714	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
229715	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
229716	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
229717	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
231274	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231275	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231276	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231277	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231278	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231279	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231280	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231281	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231282	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	CHN	East Asia
231283	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	CHN	East Asia
235573	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235574	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235575	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235576	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235577	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235578	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235579	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235580	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235581	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235582	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235583	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
235584	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia

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IT	Species	Crop	Classification	Origin	Geographic region
235585	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236511	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236512	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236513	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236514	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236515	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236516	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236517	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236518	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236519	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236520	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236521	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236522	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236523	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236524	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236525	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236526	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
236527	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Breeding line	KOR	East Asia
33117	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
33118	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
33119	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
33129	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
109555	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
116974	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
136575	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136576	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136577	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136578	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136579	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136580	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136581	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136582	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136583	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136584	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136585	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136586	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136587	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136588	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136589	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
136590	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	NPL	South Asia
136591	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	NPL	South Asia
136592	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	NPL	South Asia
136593	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	NPL	South Asia
136594	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	NPL	South Asia
136595	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
136597	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
136598	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	NPL	South Asia
189946	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PAK	South Asia
189949	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
200233	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200624	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200625	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200626	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200627	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200628	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200630	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200631	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200632	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200633	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200634	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
200635	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
203407	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
203411	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
207214	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	NPL	South Asia
207229	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	BTN	South Asia
207234	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	BTN	South Asia
219102	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
219337	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
219658	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	BGD	South Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
229809	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	IND	South Asia
119957	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	TUR	South west Asia
221477	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221482	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221483	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221484	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221485	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221489	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221492	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221495	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221499	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
221505	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
223590	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	TUR	South west Asia
228187	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	TUR	South west Asia
236442	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	AZE	South west Asia
246856	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
246857	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
246858	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
247011	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	TUR	South west Asia
116894	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116895	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116896	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116897	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
116898	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116899	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116900	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116901	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116902	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116903	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116904	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116905	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116906	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116907	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116908	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116909	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116910	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116911	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116912	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116913	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116914	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116915	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116916	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116917	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116918	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116919	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116920	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
116921	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116922	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116924	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116925	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116927	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116928	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116929	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116931	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116932	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116933	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116934	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116935	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116936	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116937	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116939	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116940	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116943	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116944	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116945	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116946	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116947	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116948	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116949	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
116950	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116951	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116952	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116953	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116954	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116955	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116956	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116957	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116958	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116959	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116960	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116961	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116962	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116963	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116964	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116965	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116966	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116967	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116968	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116969	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116970	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116971	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116972	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
116973	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
116980	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
156673	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
156675	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
156677	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
156678	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
156679	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
199461	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	LAO	Southeast Asia
201638	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
201640	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
201641	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	PHL	Southeast Asia
201642	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201643	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201644	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201646	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201647	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201648	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201649	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201650	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201651	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201652	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201653	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia
201654	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	PHL	Southeast Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
201655	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201656	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201657	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201658	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201659	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201660	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201662	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201663	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201664	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201665	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201666	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
201667	Solanum lycopersicum var. lycopersicum	Tomato	Landraces	PHL	Southeast Asia
203413	Solanum lycopersicum var. lycopersicum	Tomato	unknown	PHL	Southeast Asia
207219	Solanum lycopersicum var. lycopersicum	Tomato	unknown	IDN	Southeast Asia
207247	Solanum lycopersicum var. lycopersicum	Tomato	unknown	VNM	Southeast Asia
209994	Solanum lycopersicum var. lycopersicum	Tomato	unknown	VNM	Southeast Asia
209995	Solanum lycopersicum var. lycopersicum	Tomato	unknown	VNM	Southeast Asia
219109	Solanum lycopersicum var. lycopersicum	Tomato	unknown	MYS	Southeast Asia
219111	Solanum lycopersicum var. lycopersicum	Tomato	unknown	IDN	Southeast Asia
219657	Solanum lycopersicum var. lycopersicum	Tomato	unknown	IDN	Southeast Asia
219667	Solanum lycopersicum var. lycopersicum	Tomato	unknown	VNM	Southeast Asia
235444	Solanum lycopersicum var. lycopersicum	Tomato	unknown	THA	Southeast Asia
235445	Solanum lycopersicum var. lycopersicum	Tomato	unknown	THA	Southeast Asia

Table S1. Sample information used in this study

IT	Species	Crop	Classification	Origin	Geographic region
237151	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Landraces	MMR	Southeast Asia
199434	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	ARM	West Asia
199435	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	ARM	West Asia
203258	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	ARM	West Asia
203272	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	ARM	West Asia
207028	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	ISR	West Asia
207029	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	ISR	West Asia
207030	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	ISR	West Asia
207031	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	unknown	ISR	West Asia
229686	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	Tomato	Cultivar	ARM	West Asia