Supplemental file 1 Accessions analyzed and their haplotypes. Twenty eight (#I - #XXVIII) haplotypes are represented by more than one accessions and 99 haplotypes are unique, consisting of only one accession (unique haplotypes have the same name as the corresponding accession)

UNIT	Species names follow the Solanaceae Source website and Ovchinnikova et al. 2011 (for cultivated species)	Prior species name follow Hawkes (1990)	Abbreviation	Catalogue Number & accession holder'[a]	VIR Introduction number for selected Genotypes from VIR collection[b]	Country	HAPLOTYPE #
1	*S. ajanhuiri*	*S. ajanhuiri*	ajh	CIP704236	-	-	Haplotype I
2	*S. candolleanum*	*S. bukasovii*	cnd	PI 473493	-	Peru	Haplotype I
3	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24675	i-611896	Peru	Haplotype I
4	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24678	i-611899	Peru	Haplotype I
5	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24680	i-611901	Peru	Haplotype I
6	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24681	i-611902	Peru	Haplotype I
7	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24685	i-611906	Peru	Haplotype I
8	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24686	i-611907	Peru	Haplotype I
9	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24687	i-611908	Peru	Haplotype I
10	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24688	i-611909	Peru	Haplotype I

11	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24689	i-611910	Peru	Haplotype I
12	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24690	i-611911	Peru	Haplotype I
13	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24691	i-611912	Peru	Haplotype I
14	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24698	i-611919	Peru	Haplotype I
15	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24699	i-611920	Peru	Haplotype I
16	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 25000	i-611921	Ecuador	Haplotype I
17	*S. curtilobum*	*S. curtilobum*	cur	VIR 13398	-	Peru	Haplotype I
18	*S. curtilobum*	*S. curtilobum*	cur	VIR 25012	i-611926	Bolivia	Haplotype I
19	*S. curtilobum*	*S. curtilobum*	cur	VIR 25016	i-611930	Bolivia	Haplotype I
20	*S. curtilobum*	*S. curtilobum*	cur	VIR 25017	i-611931	Bolivia	Haplotype I
21	*S. curtilobum*	*S. curtilobum*	cur	VIR 25018	i-611932	Peru	Haplotype I
22	*S. curtilobum*	*S. curtilobum*	cur	VIR 25022	i-611936	Venezuela	Haplotype I
23	*S. curtilobum*	*S. curtilobum*	cur	VIR 25023	i-611937	Argentina	Haplotype I
24	*S. curtilobum*	*S. curtilobum*	cur	VIR 25028	i-611942	Venezuela	Haplotype I
25	*S. curtilobum*	*S. curtilobum*	cur	VIR 25030	i-611944	Bolivia	Haplotype I
26	*S. curtilobum*	*S. curtilobum*	cur	VIR 25032	i-611946	Peru	Haplotype I

27	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25021	i-611935	Peru	Haplotype I
28	*S. brevicaule*	*S. leptophyes*	brc	VIR 9721	-	Peru	Haplotype I
29	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 1815	i-144809	Bolivia	Haplotype I
30	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 1817	i-144810	Bolivia	Haplotype I
31	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 5642	i-144777	Bolivia	Haplotype I
32	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 5966	i-144779	Columbia	Haplotype I
33	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 8271	i-144780	Bolivia	Haplotype I
34	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9333	i-144781	Columbia	Haplotype I
35	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9378	i-144782	Peru	Haplotype I
36	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9386	i-144786	Bolivia	Haplotype I
37	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9393	i-144783	Columbia	Haplotype I
38	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9397	-	Columbia	Haplotype I
39	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9420	i-144784	Ecuador	Haplotype I
40	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9533	-	Columbia	Haplotype I
41	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9835	i-144785	Bolivia	Haplotype I
42	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9836	-	Bolivia	Haplotype I

43	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 9945	-	Bolivia	Haplotype I
44	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 12789	i-144788	Peru	Haplotype I
45	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 15843	i-144789	Columbia	Haplotype I
46	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 15845	i-144790	Columbia	Haplotype I
47	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 16527	i-144791	Peru	Haplotype I
48	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 16528	i-144792	Peru	Haplotype I
49	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 16530	i-144793	Peru	Haplotype I
50	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 16531	i-144794	Peru	Haplotype I
51	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 16535	i-144795	Peru	Haplotype I
52	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 16537	i-144796	Peru	Haplotype I
53	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 16538	i-144797	Peru	Haplotype I
54	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 17458	i-144798	Columbia	Haplotype I
55	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 17649	i-144799	Columbia	Haplotype I
56	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 21561	i-144800	Columbia	Haplotype I
57	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 21564	i-144801	Columbia	Haplotype I
58	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 21569	-	Columbia	Haplotype I

59	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 22210	i-144802	Columbia	Haplotype I
60	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 22218	-	Columbia	Haplotype I
61	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 22221	i-144804	Columbia	Haplotype I
62	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 22226	i-144806	Columbia	Haplotype I
63	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 22229	i-144805	Columbia	Haplotype I
64	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 1664	i-144811	Peru	Haplotype I
65	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 1667	i-144745	Peru	Haplotype I
66	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 3637	i-144812	-	Haplotype I
67	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 6510	i-144747	Peru	Haplotype I
68	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 7037	i-144832	Peru	Haplotype I
69	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 7126	i-144833	-	Haplotype I
70	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8852	i-144773	Peru	Haplotype I
71	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8855	-	Peru	Haplotype I
72	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8858	i-144774	Peru	Haplotype I
73	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8860	-	Peru	Haplotype I
74	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8865	i-144750	Peru	Haplotype I

75	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8868	i-144751	Peru	Haplotype I
76	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8869	-	Peru	Haplotype I
77	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8873	i-144752	Peru	Haplotype I
78	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8875	i-144775	Peru	Haplotype I
79	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8877	i-144753	Peru	Haplotype I
80	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8880	i-144754	Peru	Haplotype I
81	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8892	i-144756	Peru	Haplotype I
82	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8935	i-144759	Peru	Haplotype I
83	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8938	i-144760	Peru	Haplotype I
84	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8944	i-144761	Peru	Haplotype I
85	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8969	i-144814	Peru	Haplotype I
86	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8991	i-144762	Peru	Haplotype I
87	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9039	i-144763	Peru	Haplotype I
88	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9048	i-144834	Peru	Haplotype I
89	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9250	i-144764	Peru	Haplotype I
90	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9252	i-144765	Peru	Haplotype I

91	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9253	-	-	Haplotype I
92	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9255	-	Peru	Haplotype I
93	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9303	i-144815	Bolivia	Haplotype I
94	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9305	-	-	Haplotype I
95	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9889	i-144816	Bolivia	Haplotype I
96	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9906	-	Bolivia	Haplotype I
97	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 9922	-	Bolivia	Haplotype I
98	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 10194	i-144829	Bolivia	Haplotype I
99	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 10433	i-144817	Bolivia	Haplotype I
100	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 11020	i-144818	Peru	Haplotype I
101	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 11023	i-144819	Peru	Haplotype I
102	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 11053	i-144830	Peru	Haplotype I
103	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 11090	i-144831	Peru	Haplotype I
104	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 12677	i-144766	Peru	Haplotype I
105	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 12687	i-144767	Peru	Haplotype I
106	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 12768	i-144768	Peru	Haplotype I

107	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 12782	i-144820	Peru	Haplotype I
108	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 12785	i-144769	Peru	Haplotype I
109	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 12788	i-144821	Peru	Haplotype I
110	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 14790	i-144822	Peru	Haplotype I
111	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 14892	i-144771	Peru	Haplotype I
112	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 16597	i-144824	Bolivia	Haplotype I
113	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 17483	i-144826	Bolivia	Haplotype I
114	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 17486	i-144827	Bolivia	Haplotype I
115	*S. berthaultii*	*S. tarijense*	ber	PI 275154	-	Argentina	Haplotype I
116	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1697	i-144703	Ecuador	Haplotype I
117	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1731	i-144707	Ecuador	Haplotype I
118	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1734	-	Ecuador	Haplotype I
119	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1741	i-144708	Peru	Haplotype I
120	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1752	i-144712	Peru	Haplotype I
121	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1803	-	Bolivia	Haplotype I
122	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 12643	-	Argentina	Haplotype I

123	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24673	i-611894	Peru	Haplotype II
124	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24674	i-611895	Peru	Haplotype II
125	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24676	i-611897	Peru	Haplotype II
126	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24677	i-611898	Peru	Haplotype II
127	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24679	i-611900	Peru	Haplotype II
128	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24683	i-611904	Peru	Haplotype II
129	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24684	i-611905	Peru	Haplotype II
130	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24695	i-611916	Peru	Haplotype II
131	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24696	i-611917	Peru	Haplotype II
132	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 25010	i-611924	Peru	Haplotype II
133	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 25011	i-611925	Peru	Haplotype II
134	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 99	i-144807	Bolivia	Haplotype II
135	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 5962	i-144778	Columbia	Haplotype II
136	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 11291	i-144787	Peru	Haplotype II
137	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 22215	i-144803	Columbia	Haplotype II
138	*S. maglia*	*S. maglia*	mag	PI 245087	-	Chile	Haplotype II

139	*S. maglia*	*S. maglia*	mag	PI 558315	-	Chile	Haplotype II
140	*S. maglia*	*S. maglia*	mag	PI 558316	-	Chile	Haplotype II
141	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 3558	i-144746	Peru	Haplotype II
142	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8890	i-144755	Peru	Haplotype II
143	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8903	i-144757	Peru	Haplotype II
144	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8929	i-144758	Peru	Haplotype II
145	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 12925	i-144770	Peru	Haplotype II
146	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 16596	i-144823	Peru	Haplotype II
147	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 16911	i-144825	Bolivia	Haplotype II
148	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 17652	i-144772	Peru	Haplotype II
149	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 17986	i-144828	Bolivia	Haplotype II
150	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	PI 234011	-	Bolivia	Haplotype II
151	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1690	i-144702	Columbia	Haplotype II
152	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1706	i-144705	Peru	Haplotype II
153	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1714	i-144706	Peru	Haplotype II
154	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1757	-	Peru	Haplotype II

155	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1764	i-144714	Peru	Haplotype II
156	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1771	i-144740	Peru	Haplotype II
157	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1775	i-144716	Peru	Haplotype II
158	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1796	i-144719	Bolivia	Haplotype II
159	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1804	i-144720	Bolivia	Haplotype II
160	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 3041	i-144722	Peru	Haplotype II
161	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 3172	i-144724	Argentina	Haplotype II
162	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 3240	i-144726	Argentina	Haplotype II
163	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 3624	-	-	Haplotype II
164	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 3889	-	Argentina	Haplotype II
165	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 4793	i-144730	North Argentina	Haplotype II
166	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 5588	-	Bolivia	Haplotype II
167	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 5606	i-144731	Peru	Haplotype II
168	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 8201	i-144732	Peru	Haplotype II
169	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 13111	-	Peru	Haplotype II
170	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7576	i-144898	Chile	Haplotype II

171	*S. berthaultii*	*S. tarijense*	ber	VIR 11976	-	Argentina	Haplotype III
172	*S. berthaultii*	*S. tarijense*	ber	VIR 17497	-	Argentina	Haplotype III
173	*S. berthaultii*	*S. tarijense*	ber	VIR 22013	-	Argentina	Haplotype III
174	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 3154	i-144723	Argentina	Haplotype III
175	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 3231	i-144725	Argentina	Haplotype III
176	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 8931	i-144734	Peru	Haplotype III
177	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 1673	i-144911	Chile	Haplotype III
178	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 2083	i-144909	Chile	Haplotype III
179	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 2084	i-144910	Chile	Haplotype III
180	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 2095	i-144907	Chile	Haplotype III
181	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 2148	i-144912	Chile	Haplotype III
182	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 3385	i-144882	–	Haplotype III
183	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 3407	i-144905	Chile	Haplotype III
184	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 3446	i-144884	Chile	Haplotype III
185	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 3456	i-144885	Chile	Haplotype III
186	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 3484	i-144886	Chile	Haplotype III

187	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 3488	i-144887	Chile	Haplotype III
188	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7504	-	Chile	Haplotype III
189	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7523	i-144888	Chile	Haplotype III
190	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7528	i-144889	Chile	Haplotype III
191	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7529	i-144890	Chile	Haplotype III
192	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7530	i-144891	Chile	Haplotype III
193	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7540	i-144894	Chile	Haplotype III
194	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7543	i-144895	Chile	Haplotype III
195	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7550	-	Chile	Haplotype III
196	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7573	i-144897	Chile	Haplotype III
197	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7580	i-144899	Chile	Haplotype III
198	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7583	i-144900	Chile	Haplotype III
199	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7589	i-144902	Chile	Haplotype III
200	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7599	i-144903	Chile	Haplotype III
201	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 10648	i-144904	Chile	Haplotype III
202	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 24602	i-144906	Chile	Haplotype III

203	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR D-225	-	Chile	Haplotype III
204	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR D-268	-	Chile	Haplotype III
205	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR Juz. 1989	-	Chile	Haplotype III
206	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	PI 245835	-	Chile	Haplotype III
207	*S. acaule*	*S. acaule*	acl	VIR 18002	-	Bolivia	Haplotype IV
208	*S. acaule*	*S. acaule*	acl	GLKS 30051	-	-	Haplotype IV
209	*S. ajanhuiri*	*S. ajanhuiri*	ajh	CIP 702680	-	Bolivia	Haplotype IV
210	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25009	i-611923	Peru	Haplotype IV
211	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25013	i-611927	Bolivia	Haplotype IV
212	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25014	i-611928	Peru	Haplotype IV
213	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25015	i-611929	Peru	Haplotype IV
214	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25019	i-611933	Peru	Haplotype IV
215	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25020	i-611934	Peru	Haplotype IV
216	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25025	i-611939	Bolivia	Haplotype IV
217	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25026	i-611940	Bolivia	Haplotype IV
218	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25027	i-611941	Peru	Haplotype IV

219	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25029	i-611943	Bolivia	Haplotype IV
220	*S. juzepczukii*	*S. juzepczukii*	juz	VIR 25031	i-611945	Argentina	Haplotype IV
221	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 4615	i-144727	Bolivia	Haplotype V
222	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 4617	i-144728	Peru	Haplotype V
223	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 4634	i-144729	Bolivia	Haplotype V
224	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7535	i-144892	Chile	Haplotype V
225	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 7568	i-144896	Chile	Haplotype V
226	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1717	-	Bolivia	Haplotype VI
227	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1770	i-144715	Peru	Haplotype VI
228	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1789	i-144717	Columbia	Haplotype VI
229	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 13028	i-144738	Peru	Haplotype VI
230	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24692	i-611913	Peru	Haplotype VI
231	*S. acaule*	*S. acaule*	acl	PI 473485	-	Peru	Haplotype VII
232	*S. albicans*	*S. albicans*	alb	VIR 9168	i-144839	Peru	Haplotype VII
233	*S. albicans*	*S. albicans*	alb	PI 230494	-	Peru	Haplotype VII
234	*S. albicans*	*S. albicans*	alb	PI 266381	-	Peru	Haplotype VII

235	*S. albicans*	*S. albicans*	alb	PI 310986	-	Peru	Haplotype VII
236	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1688	i-144701	Ecuador	Haplotype VIII
237	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1699	i-144704	Columbia	Haplotype VIII
238	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1746	i-144710	Peru	Haplotype VIII
239	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1751	i-144711	Columbia	Haplotype VIII
240	*S. brevicaule*	*S. hondelmannii*	brc	VIR 20162	i-144852	Bolivia	Haplotype IX
241	*S. brevicaule*	*S. hondelmannii*	brc	VIR 20415	i-144853	Bolivia	Haplotype IX
242	*S. brevicaule*	*S. hondelmannii*	brc	VIR 21410	-	Bolivia	Haplotype IX
243	*S. brevicaule*	*S. hondelmannii*	brc	PI 473365	-	Bolivia	Haplotype IX
244	*S. acaule*	*S. acaule*	acl	VIR 9786	-	Bolivia	Haplotype X
245	*S. acaule*	*S. acaule*	acl	VIR 11446	-	Argentina	Haplotype X
246	*S. acaule*	*S. acaule*	acl	PI 210031	-	Peru	Haplotype X
247	*S. acaule*	*S. acaule*	acl	PI 365312	-	Peru	Haplotype X
248	*S. brevicaule*	*S. brevicaule*	brc	PI 498111	-	Bolivia	Haplotype XI
249	*S. brevicaule*	*S. oplocense*	brc	VIR 16674	i-144861	Bolivia	Haplotype XI
250	*S. brevicaule*	*S. sparsipilum*	brc	VIR 19343	i-144868	Bolivia	Haplotype XI

251	*S. brevicaule*	*S. sparsipilum*	brc	PI 473503	-	Bolivia	Haplotype XI
252	*S. candolleanum*	*S. bukasovii*	cnd	VIR 18477	i-144841	Peru	Haplotype XII
253	*S. brevicaule*	*S. leptophyes*	brc	PI 473342	-	Bolivia	Haplotype XII
254	*S. brevicaule*	*S. sparsipilum*	brc	VIR 11282	i-144866	Bolivia	Haplotype XII
255	*S. brevicaule*	*S. sparsipilum*	brc	PI 246536	-	Peru	Haplotype XII
256	*S. brevicaule*	*S. hondelmannii*	brc	VIR 20023	i-144850	Bolivia	Haplotype XIII
257	*S. brevicaule*	*S. hondelmannii*	brc	VIR 20160	i-144851	Bolivia	Haplotype XIII
258	*S. brevicaule*	*S. hondelmannii*	brc	PI 498067	-	Bolivia	Haplotype XIII
259	*S. brevicaule*	*S. spegazzinii*	brc	VIR 11975	i-144874	Argentina	Haplotype XIV
260	*S. brevicaule*	*S. spegazzinii*	brc	VIR 12619	-	Argentina	Haplotype XIV
261	*S. brevicaule*	*S. spegazzinii*	brc	PI 472983	-	Argentina	Haplotype XIV
262	*S. brevicaule*	*S. gourlayi*	brc	VIR 12396	i-144843	Argentina	Haplotype XV
263	*S. brevicaule*	*S. gourlayi*	brc	VIR 11446g	i-144846	Argentina	Haplotype XV
264	*S. brevicaule*	*S. leptophyes*	brc	PI 458378	-	Peru	Haplotype XV
265	*S. brevicaule*	*S. spegazzinii*	brc	VIR 23061	i-144879	Argentina	Haplotype XVI
266	*S. vernei*	*S. vernei*	vrn	PI 230562	-	Argentina	Haplotype XVI

267	*S. vernei*	*S. vernei*	vrn	PI 320332	-	Argentina	Haplotype XVI
268	*S. berthaultii*	*S. tarijense*	ber	VIR 17502	-	Argentina	Haplotype XVII
269	*S. berthaultii*	*S. tarijense*	ber	VIR 18153	-	Argentina	Haplotype XVII
270	*S. berthaultii*	*S. tarijense*	ber	VIR 21628	-	Argentina	Haplotype XVII
271	*S. candolleanum*	*S. multidissectum*	cnd	PI 210055	-	Peru	Haplotype XVIII
272	*S. candolleanum*	*S. multidissectum*	cnd	PI 473352	-	Peru	Haplotype XVIII
273	*S. candolleanum*	*S. multidissectum*	cnd	PI 498304	-	Peru	Haplotype XVIII
274	*S. acaule*	*S. acaule*	acl	VIR 17901	i-144836	Bolivia	Haplotype XIX
275	*S. acaule*	*S. acaule*	acl	VIR 21228	-	Bolivia	Haplotype XIX
276	*S. candolleanum*	*S. multidissectum*	cnd	VIR 2885	i-144858	Peru	Haplotype XX
277	*S. candolleanum*	*S. multidissectum*	cnd	VIR 4289	i-144859	Peru	Haplotype XX
278	*S. candolleanum*	*S. multidissectum*	cnd	VIR 21518	-	Peru	Haplotype XXI
279	*S. candolleanum*	*S. multidissectum*	cnd	PI 473354	-	Peru	Haplotype XXI
280	*S. candolleanum*	*S. multidissectum*	cnd	VIR 23475	-	Peru	Haplotype XXII
281	*S. candolleanum*	*S. multidissectum*	cnd	PI 210043	-	Peru	Haplotype XXII
282	*S. brevicaule*	*S. spegazzinii*	brc	VIR 11422	i-144873	Argentina	Haplotype XXIII

283	*S. brevicaule*	*S. spegazzinii*	brc	VIR 12603	i-144875	Argentina	Haplotype XXIII
284	*S. brevicaule*	*S. sparsipilum*	brc	VIR 19344	i-144869	Bolivia	Haplotype XXIV
285	*S. vernei*	*S. vernei*	vrn	VIR 3392	-	Argentina	Haplotype XXIV
286	*S. vernei*	*S. vernei*	vrn	VIR 12666	-	Argentina	Haplotype XXV
287	*S. vernei*	*S. vernei*	vrn	PI 500070	-	Argentina	Haplotype XXV
288	*S. berthaultii*	*S. tarijense*	ber	VIR 23672	-	Argentina	Haplotype XXVI
289	*S. berthaultii*	*S. tarijense*	ber	PI 458365	-	Argentina	Haplotype XXVI
290	*S. brevicaule*	*S. gourlayi*	brc	PI 210038	-	Argentina	Haplotype XXVII
291	*S. brevicaule*	*S. gourlayi*	brc	PI 473055	-	Argentina	Haplotype XXVII
292	*S. brevicaule*	*S. spegazzinii*	brc	PI 205407	-	Argentina	Haplotype XXVIII
293	*S. brevicaule*	*S. spegazzinii*	brc	PI 472990	-	Argentina	Haplotype XXVIII
294	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 12892	i-144737	Peru	And4x 12892
295	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1742	i-144709	Peru	Adg4x 1742
296	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1763	i-144713	Peru	Adg4x 1763
297	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 1774	-	Peru	Adg4x 1774
298	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 8264	i-144733	Columbia	Adg4x 8264

299	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	VIR 9002	i-144735	Peru	Adg4x 9002
300	*S. tuberosum* Andigenum group 4x	*S. tuberosum* subsp. *andigenum*	Adg4x	PI 265882	-	Bolivia	Adg4x PI265882
301	*S. ajanhuiri*	*S. ajanhuiri*	ajh	CIP 704818	-	Bolivia	ajhCIP 704818
302	*S. tuberosum* Andigenum group 3x	*S. chaucha*	Adg3x	VIR 24682	i-611903	Peru	Adg3x 24682
303	*S. tuberosum* Andigenum group 2x	*S. phureja*	Adg2x	VIR 1678	i-144776	Ecuador	Adg2x 1678
304	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 3640	i-144813	-	Adg2x 3640
305	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8863	i-144749	Peru	Adg2x 8863
306	*S. tuberosum* Andigenum group 2x	*S. stenotomum*	Adg2x	VIR 8874	-	Peru	Adg2x 8874
307	*S. tuberosum Chilotanum group*	*S. tuberosum* subsp. *tuberosum*	Chl	VIR 3414	-	Chile	Chl 3414
308	*S. acaule*	*S. acaule*	acl	VIR 19952	-	Argentina	acl 19952
309	*S. acaule*	*S. acaule*	acl	VIR 21506	-	Peru	acl 21506
310	*S. acaule*	*S. acaule*	acl	VIR 23004	i-144837	Argentina	acl 23004
311	*S. acaule*	*S. acaule*	acl	VIR 23005	i-144835	Argentina	acl 23005
312	*S. acaule*	*S. acaule*	acl	VIR 9814	i-144838	Bolivia	acl 9814
313	*S. acaule*	*S. acaule*	acl	PI 498188	-	Bolivia	acl PI 498188
314	*S. acaule*	*S. acaule*	acl	PI 500016	-	Argentina	acl PI 500016

315	*S. albicans*	*S. albicans*	alb	PI 365308	-	Peru	alb PI 365308
316	*S. albicans*	*S. albicans*	alb	PI 498203	-	Peru	alb PI 498203
317	*S. berthaultii*	*S. berthaultii*	ber	VIR 19243	-	Bolivia	ber 19243
318	*S. berthaultii*	*S. berthaultii*	ber	VIR 23146	-	Bolivia	ber 23146
319	*S. berthaultii*	*S. berthaultii*	ber	VIR 23150	-	Bolivia	ber 23150
320	*S. brevicaule*	*S. brevicaule*	brc	VIR 21755	-	Bolivia	brc 21755
321	*S. brevicaule*	*S. brevicaule*	brc	VIR 22675	i-144840	Bolivia	brc 22675
322	*S. brevicaule*	*S. brevicaule*	brc	VIR 5663	-	Bolivia	brc 5663
323	*S. brevicaule*	*S. brevicaule*	brc	PI 498218	-	Bolivia	brc PI 498218
324	*S. brevicaule*	*S. brevicaule*	brc	PI 545970		Bolivia	brc PI 545970
325	*S. candolleanum*	*S. bukasovii*	cnd	VIR 18775	-	Peru	cnd 18775
326	*S. candolleanum*	*S. bukasovii*	cnd	PI 365353	-	Peru	cnd PI 365353
327	*S. candolleanum*	*S. bukasovii*	cnd	PI 414155	-	Peru	cnd PI 414155
328	*S. candolleanum*	*S. bukasovii*	cnd	PI 473492	-	Peru	cnd PI 473492
329	*S. candolleanum*	*S. bukasovii*	cnd	PI 473494	-	Peru	cnd PI 473494
330	*S. candolleanum*	*S. canasense*	cnd	PI 210035	-	Peru	cnd PI 210035

331	*S. candolleanum*	*S. canasense*	cnd	PI 442696	-	Peru	cnd PI 442696
332	*S. brevicaule*	*S. gourlayi*	brc	VIR 12416	i-144845	Argentina	brc 12416
333	*S. brevicaule*	*S. gourlayi*	brc	VIR 22754	i-144847	Argentina	brc 22754
334	*S. brevicaule*	*S. gourlayi*	brc	VIR 22954	i-144848	Argentina	brc 22954
335	*S. brevicaule*	*S. gourlayi*	brc	VIR 22961	i-144849	Argentina	brc 22961
336	*S. brevicaule*	*S. gourlayi*	brc	PI 458345	-	Argentina	brc PI 458345
337	*S. brevicaule*	*S. gourlayi*	brc	PI 558062	-	Argentina	brc PI 558062
338	*S. brevicaule*	*S. hondelmannii*	brc	VIR 20723	i-144854	Bolivia	brc 20723
339	*S. brevicaule*	*S. hondelmannii*	brc	PI 498281	-	Bolivia	brc PI 498281
340	*S. brevicaule*	*S. hondelmannii*	brc	PI 545868	-	Bolivia	brc PI 545868
341	*S. brevicaule*	*S. hondelmannii*	brc	PI 545879	-	Bolivia	brc PI 545879
342	*S. brevicaule*	*S. leptophyes*	brc	VIR 20730	-	Bolivia	brc 20730
343	*S. brevicaule*	*S. leptophyes*	brc	VIR 20732	i-144857	Bolivia	brc 20732
344	*S. brevicaule*	*S. leptophyes*	brc	VIR 5387	i-144855	Bolivia	brc 5387
345	*S. brevicaule*	*S. leptophyes*	brc	VIR 5762	i-144856	Bolivia	brc 5762
346	*S. brevicaule*	*S. leptophyes*	brc	PI 473451	-	Peru	brc PI 473451

347	*S. brevicaule*	*S. leptophyes*	brc	PI 545984	-	Bolivia	brc PI 545984
348	*S. brevicaule*	*S. leptophyes*	brc	PI 545997	-	Bolivia	brc PI 545997
349	*S. boliviense*	*S. megistacrolobum*	blv	VIR 12516	-	Argentina	blv 12516
350	*S. boliviense*	*S. megistacrolobum*	blv	PI 210034	-	Bolivia	blv PI 210034
351	*S. boliviense*	*S. megistacrolobum*	blv	PI 265873	-	Bolivia	blv PI 265873
352	*S. boliviense*	*S. megistacrolobum*	blv	PI 473360	-	Bolivia	blv PI 473360
353	*S. boliviense*	*S. megistacrolobum*	blv	PI 500029	-	Argentina	blv PI 500029
354	*S. candolleanum*	*S. multidissectum*	cnd	VIR 9730	i-144860	Peru	cnd 9730
355	*S. brevicaule*	*S. oplocense*	brc	VIR 19144	-	Bolivia	brc 19144
356	*S. brevicaule*	*S. oplocense*	brc	VIR 21756	i-144862	Bolivia	brc 21756
357	*S. brevicaule*	*S. oplocense*	brc	PI 435076	-	Argentina	brc PI 435076
358	*S. brevicaule*	*S. oplocense*	brc	PI 442682	-	Argentina	brc PI 442682
359	*S. brevicaule*	*S. oplocense*	brc	PI 442693	-	Bolivia	brc PI 442693
360	*S. brevicaule*	*S. oplocense*	brc	PI 473368	-	Bolivia	brc PI 473368
361	*S. brevicaule*	*S. oplocense*	brc	PI 558107	-	Argentina	brc PI 558107
362	*S. brevicaule*	*S. spegazzinii*	brc	VIR 12601	-	Argentina	brc 12601

363	*S. brevicaule*	*S. spegazzinii*	brc	VIR 12623	-	Argentina	brc 12623
364	*S. brevicaule*	*S. spegazzinii*	brc	VIR 12688	i-144877	Peru	brc 12688
365	*S. brevicaule*	*S. spegazzinii*	brc	VIR 22631	i-144878	Argentina	brc 22631
366	*S. brevicaule*	*S. spegazzinii*	brc	VIR 4439	i-144872	Argentina	brc 4439
367	*S. brevicaule*	*S. spegazzinii*	brc	VIR 9748	-	Argentina	brc 9748
368	*S. brevicaule*	*S. spegazzinii*	brc	PI 472988	-	Argentina	brc PI 472988
369	*S. brevicaule*	*S. spegazzinii*	brc	PI 473385	-	Peru	brc PI 473385
370	*S. brevicaule*	*S. sparsipilum*	brc	PI 498285	-	Bolivia	brc PI 498285
371	*S. brevicaule*	*S. sparsipilum*	brc	VIR 20096	i-144870	Bolivia	brc 20096
372	*S. brevicaule*	*S. sparsipilum*	brc	VIR 20700	i-144871	Bolivia	brc 20700
373	*S. brevicaule*	*S. sparsipilum*	brc	VIR 7665	i-144863	Peru	brc 7665
374	*S. brevicaule*	*S. sparsipilum*	brc	VIR 9798	i-144864	Bolivia	brc 9798
375	*S. brevicaule*	*S. sparsipilum*	brc	VIR 9808	i-144865	Bolivia	brc 9808
376	*S. brevicaule*	*S. sparsipilum*	brc	PI 473375	-	Bolivia	brc PI 473375
377	*S. brevicaule*	*S. sparsipilum*	brc	PI 497991	-	Bolivia	brc PI 497991
378	*S. berthaultii*	*S. tarijense*	ber	PI 217457	-	Argentina	ber PI 217457

379	*S. berthaultii*	*S. tarijense*	ber	PI 230466	-	Bolivia	ber PI 230466
380	*S. berthaultii*	*S. tarijense*	ber	PI 472815	-	Argentina	ber PI 472815
381	*S. boliviense*	*S. toralapanum*	blv	VIR 19212	i-144880	Bolivia	blv 19212
382	*S. boliviense*	*S. toralapanum*	blv	PI 310936	-	Bolivia	blv PI 310936
383	*S. boliviense*	*S. toralapanum*	blv	PI 320303	-	Argentina	blv PI 320303
384	*S. boliviense*	*S. toralapanum*	blv	PI 472804	-	Argentina	blv PI 472804
385	*S. boliviense*	*S. toralapanum*	blv	PI 498263	-	Bolivia	blv PI 498263
386	*S. boliviense*	*S. toralapanum*	blv	PI 546009	-	Bolivia	blv PI 546009
387	*S. vernei*	*S. vernei*	vrn	VIR 10554	i-144881	Argentina	vrn 10554
388	*S. vernei*	*S. vernei*	vrn	PI 473309	-	Argentina	vrn PI 473309
389	*S. vernei*	*S. vernei*	vrn	PI 473310	-	Argentina	vrn PI 473310
390	*S. pinnatisectum*	*S. pinnatisectum*	pnt	VIR 4455	-	-	pnt 4455
391	*S. tarnii*	*S. tarnii*	trn	GLKS 32870	-	-	trn GLKS 32870
392	*S. nigrum*	*S. nigrum*	ngr	IHAR Poland	-	-	nigrum

[a]Accessions from the potato collection of Vavilov Institute of Plant Industry are preceded by VIR, from the International Potato Center (CIP) are preceded by CIP, from the USDA Genebank are preceded by PI (Plant Introduction Number), from the

The Groß Lüsewitz Potato Collecion preceeded by GLKS, from the Plant Breeding and Acclimatisation Institute, Poland, by IHAR.

[b]Each accession in this study is represented by one individual genotype (clone), selected from the corresponding VIR-genebank accession, prior characterized by actual chromosome counts and by nuclear SSR genotyping (Gavrilenko et al. 2010) and maintained in our subset as clone having the VIR introduction number (i-).