

S.No	Sample Name / SSR Marker	STI0033	STM1016	STI0023	STM5114	STWAX-2	STI0004	STM1052	STG0016	STI0019	STG0004	STG0001
1	Targhee Russet	110/116/128	252	192/195	288/297	222/228/231/237	100	207/225	123/132/135	115/121	194/196	125
2	A01143-3C	110/122/131	258	159/165/192/195	282/297	225	91/97/100	207	132/135	106/109/115/121	194/196	127
3	Pomerelle Russet	116/122	243/258	156/159/192/195	297	216/222/225/231	94/97	225/249	132/135/153	106/115/121	194/196	125
4	Payette Russet	110/122/128/131	240/258	156/159/192/195	288/297	222/225	91	225/249	123/135/153	106/115/121	196	127
5	Mountain Gem Russet	110/128	243/258	192	288/297	225	97	216/225	132/135	121/124	194/196	ND
6	AO96141-3 (Echo Russet)	110/116/128	240/243/258	159/165/192/195	288/297	222/225	94/97/100	216/225	132/135/153	121/124	194/196	127/131
7	A99331-2RY	110/116/128	246/252/258/264	ND	291/297	225/237	97/100	225	123/135	106/121	194/196	125
8	Alpine Russet	110/116/128	240/246	156/159/192/195	288/297	213/222/231	94/97/100	216/225	123/129/132	121	194/196	127/131
9	Alturas	110/116/131	240/243/258	192/195	288/297	216/222/225/231	97	207/225	132/135/153	106/109/115/124	194/196	125/127
10	Amarosa	110/128	246/252/258/264	192/195	288/297	225/237	76/100	207/225	129/132/135	106/121/124	194	125
11	Classic Russet	116/128	240/243/258	192	288	222/225	94/97	216/225	123/135/153	121	194	127/131
12	Clearwater Russet	110/128	240	171/174/192/195	288/297	222/225	97	225/249	123/135	106/109/115/121	194/196	127
13	Defender	113/116/122/128	246/258	156/192/195	288/297	216/222/225/231	97	225	123/135	106/121	194/196	125
14	Dark Red Norland	110/116/128	240/258	192	288/297	216/222/225/231	85/97	207/225	123/135	121/124	194	131/139
15	Gem Russet	110/116/122/131	246/252/258/264	156/159/192/195	288/297	216/222/225/231	100	207/225	135/153	106/109/115/121	194/196	125
16	GemStar Russet	116/122/128/131	240/252/258	156/159/192/195	288/297	222/225/237	97	225	135/153	115/121	194/196	125
17	Highland Russet	110/128	243/258	192/195	282/297	216/222/225/231	97	207/225	123/135/153	106/109/115/121	194/196	125
18	Huckleberry Gold	110/128/131	243/252/258	192/195	297	222/225/231/237	97/100	207/216/225	129/135	106/109/115/121	194	125
19	Ivory Crisp	110/122/128/131	243/258	159/165/192/195	282/297	225	91/97/100	216	132/135	106/121	194	125
20	Modoc	110/128	246/252	192	288/297	222/228/231/237	94/97	207/225	132/135/153	121/124	194	127
21	Qwyhee Russet	110/122/128	240/243/258	192	288/297	222/225	94/97	207/225	123/129/135/153	106/109/115/121	194/196	127/131
22	Palisade Russet	110/122/128	240/243/258	159/165/192/195	288/297	216/222/225/231	94/97	216/225	135	121	194/196	125/131
23	Smilin' Eyes	110/128/131	243/258	192/195	288/291/297	225	94/97	207	123/135	106/121	194/196	127/131
24	POR06V12-3 (Castle Russet)	122/125/128	240/246/258/264	192/195	288/297	216/222/225/231	94/97	207	132/135	106/115/121	194/196	127/135
25	Premier Russet	110/116/128	246/252/258/264	192	288/297	216/225/231/237	94/97	225	123/132/135	121/124	196	127/131
26	Purple Majesty	110/113/128/131	246/252/258/264	192	282/288/297	222/225/231/237	76	225	129/135/153	121	194/196	125
27	Purple Pelisse	110/113/128	252	192/195	288/297	222/228/237	97/100	207/225	129/135	121	194/196	125
28	Russet Norkotah	110/116/122	246/252/258/264	156/159/192/195	288/297	222/225	100	225	123/135	106/109/115/121	194/196	125
29	Ranger Russet	110/116/122/128	243/246/258	192	297	222/225	97	207/225	123/132/135	106/109/115/121	194	125
30	Russet Burbank	110/128	243/258	156/171/192/195	288/297	225	94/97	225	135/153	106/109/115/121	194/196	125
31	Red Lasoda	110/116/128	243/258	171/192/195	288/297	225/237	100/103/106	207/216/225	132/135/153	121/124	194/196	127
32	Red Sunset	128/131	243/258	192/195	297	216/222/225/231	97/103	207/216/225	123/135/153	121	194/196	127/131
33	Sage Russet	110/128	240/243/258	192/195	288/297	222/225/231	94/97	207	123/132/135/153	106/109/115/121	194/196	125
34	Summit Russet	110/122/128	243/258	192/195	288	216/222/225/231	94/97	216/225	132/135	121	194/196	127/131
35	TerraRosa	110/122/128	243/252	192/195	282/288	237	94/97	207/225	129/135/153	121	194/196	125
36	Teton Russet	116/128	240/243/258	192/195	288	222/225	94/97	216/225	123/132/135	121	194/196/198	127/131
37	Wilamette	116/128	243/258	171/192/195	288/297	225	76/97	207/225	123/132/135/153	121/124	194/196	127/129
38	Winema	128/131	252	192	288/297	222/228/231/237	97/100/103	207/216	123/135/153	106/121	194/196	127/131
39	Yukon Gem	119/128/131	243/258	192/195	282/288/297	225	85/97	207/216	132/135/153	115/121	194/196	127/131
40	Yukon Gold	128/131	240/243/258	192/195	288/297	216/222/225/231	97	207/216	123/135/153	106/109/115	194/196	125
41	Yukon Nugget	110/116/122/128	243/258	195	288/291/297	225	97	225	132/135	106/109/115/121	194/196	127
42	Blazer Russet	110/116/128	240/258	192/195	288	216/222/225/231	94/97	216/225	123/132/135/153	121	194/196/198	125
43	Mazama	128/131	258	192/195	288/297	216/222/225/231	97/103	207	123/135	121/124	194/196	127/131
44	IdaRose	110/128	243/258	171/174/192	288/297	216/222/225/231	94/97	207/216	132/135	109/115/121/124	194/196	127/131
45	Klamath Russet	110/116/122	243	156/174/192/195	288/297	225	94/97	207/225	123/135/153	115/121/124	196	127
46	Umatilla Russet	110/116/128/131	240/252	171/192	297	222/225	85/97	225	123/135/153	109/121/124	196	127/131

STM5127	STGBSSS	STG0025	STI0012	STM5121	STM1064	STM1053	STI0030	STM0031	STI0014	STM2030	STG0010	STI0038	STM1104	STI0003
236	136	197/200	164/170	285	187	166/170	82/85/88/103	184	119/122/125/128	174	163/165	101/104	170/173	130/139
236/238/268	128	197/200	164/182	285	187/190	170	82/85/103	166/184/186	119	174	165	101/104	167	148
238/244	128	197/200	164/170/185	288	187/193	166/170	82/85/88	186	119/122/125/128	174	163/165	101	164/167/170/173	130
238	126/128	197	170/182	288	187/190/193	166/170	85/103	184/186	119/122/125/128	174/205	165	101	164/170	130/139/148
238	128	200	170	285	187/193	166/170	82/85/88/103	166/184	119/125/128	174	159/165	95/101	167/170	130/139
238	126/128	197	164/170	285	190	166/170	82/85/88	184	119/128	174	163/165	95/101	164/167	130/139/148
244	128/136	197	182/188	288/291	187/193	166/170	82/85	166/176	119/122/125/128	174	163	101	173	130/139/148/151
238/244/248	126/128	197/200	170/182	285	187/190	170	85/88	184	119/125/128	174	159/163/165	101	164/170	130/139
238	126/128	197/200	164/170/182	288	187/190	170	85/88/103	166/184	119/122/125/128	174	159/163/165	101/104	164/167/170	130/139/148
244	126/128/136	197	170/188	285	187/193	170	82/88	186	119/122/125/128	174	159/163	95/101/104	173	130/148
238/270	126/128	197/200	164/170/182	285	187	166/170	82/85/103	184	119/122/125/128	174	165	95/101	164/167	130/139/148
238	126/128	197/200	164/170	288	187	170	88/103	184	125/128	174/205	165	101	164	130/139/148
238/248/268	136	197/200	170	285	187	166/170	82/88/100/103	186	125/128	174	163/165	95/101	170	130/139/148
238/244	126/128	197/200	164/182	285	187	166/170	85/88/103	166	119/125/128	174	163/165	95/101/104	164/170	130/139
238	128	197/200	164/170/185	288	187/193	170	85/88/103	184/186	119/122/125/128	174/205	163/165	95/101/104	170/173	130/148
238/244	126/128	197	170/182	288	187/190/193	166/170	85/88	186	119/122/125/128	174/205	165	95/101	164/173	130/139/148
238/248	128	200	170	285	187/193	166/170	82/88/103	184	119/122/125/128	174	163/165	95/101/104	164/167/170/173	130/148
244	126/128	197	164/170	285	187/193	166/170	82/85/88	166/184	119/125	174	159/161/163	95/101/104	164/167/170/173	130/139/148
238	128/136	197	182/188	288/291	187/193	170	82/88/103	184/186	119/128	174	159/163/165	101	167	130/148
240	126/130/132	197/200	170/182	285	187/193	166/170	82/85/88	166	119	174	163/165	95/101/104	170/173	130/139/148
238/248	126/128	197/200	164/170/182	288	187/190	166/170	82/103	184/186	125/128	174	159/163/165	95/101/104	164/167	130/139
238	126/128	197	167/170/185/188	285	187/193	170	82/85/88/103	166/184/186	119	174	159/163/165	95/101	164/167/170	130/139/148
238/244/248	126/128	197/200	164/170/182	285	187	166/170	85/88/103	166/184	119/128	174	163/165	104	167	130/139/151
238	128	197/200	164/170	288	187	166/170	82/85/103/124	184/186	119/122/125/128	174	165	101/104	170	130/139/148
238/248	128/136	197/200	164/170/182	288	187/193	166/170	82/88/103	166/184	119/125/128	174	159/165	95/101	170/173	130/139
238/268	128/132/136	197/200	182/188	285	187/193	166/170	82/85	186	125/128	174	165	101	170/173	130/148
244	126/136	197	170/182/188	285	187/193	166/170	82	186	119/125	174	159/163/165	101/104	170/173	130/148
238/248	128/132/136	197/200	164/182	285	187/190	170	82/103	184/186	125/128	174/205	159/163/165	95/101	170/173	130/139/148
238/248	128	197/200	164/167/170	285	187/193	166/170	82/88/103/124	184/186	125/128	174	159/163/165	95/101/104	164/167/170/173	130/148/160
238/248	128	197/200	170/182	288	187/190	166/170	82/88/103/124	184/186	125/128	174	159/165	95/101	167	130/139/148
238	128/136	197/200	182	285	187/190/193	166/170	82/88/103	166	119/125	174	163/165	101/104	167/173	130/139/148
238	128	197/200	164/167/170	285	187	166/170	82/85	166	128	174	163/165	95/101/104	164/167/170/173	130/139/148
238/248/270	126/128	197/200	164/167	285	187/190/193	170	82/85/88/103	184	125/128	174	159	101/104	164/167/170/173	130/139
238	128	197/200	164/170/182	285	187/190	170	82/85/103	184/186	125/128	174	163/165	95/101	167	130/148
244/268	128/136	197	164/170/182	285	187/193	166/170	82/85/103/124	186	119	174	159/163/165	95/101/104	167/173	130/148
238/268	126/128	197/200	164/182	285/288	187/190	166/170	82/85/103	184	119	174	159/165	101	164/167	130/139/148
238	128	197/200	182	285	187	166/170	82/85/103/109	184	119/122/125/128	174	163/165	95/101/104	167	139/148
238/244	126/136	197/200	170/182	285	187	166/170	82/85/88	184	119/128	174	163/165	101/104	170/173	130/139/148
238/270	128	197/200	164/167/188	285	187/193	170	82/103	138/150	119/128	174	159/163/165	101/104	167	130
238/268	126/128	197/200	167/182/188	285	187/193	170	82/88	ND	119/122/125/128	174	159/165	101/104	164/167/170/173	130/139/148
244	128	197/200	164/167/170	288	187	166/170	82/85/97/103	166/186	125/128	174	159/165	101/104	167	130/139/151
238/270	126/128	197/200	164/182	288	187/190	166/170	82/85/103	166	119/122/125/128	174	159/165	95/101	164/170	130/139
244	128	197/200	164/170	285	187	166/170	85/88	184/186	119/128	174	163/165	101/104	170	130/139
238	128	197/200	182/188	285	187/190/193	166/170	82/85	184/186	119/122/125/128	174/205	165	101/104	167/170	130/139
238	126/128	197/200	170/182	285	190	170	82/103	166/184/186	125/128	174	163/165	101/104	164/167/170	130/139
238/248	126/128/136	197/200	170/182	285	187/190/193	166/170	82/85/103	166	119	174	159/163/165	95/101	164/170	130/148

STM1106	STM0030	STM5140
155	140/162	176/188
149/155	138/140	188
155	162	176
149	138/162	176/188
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155	138/162	176/188
149/155	140/162	176/179
155	162	176/188
155	162	176
191	138	173/176
191	162	179/188
191	162	176
155	146/162	182/188
149	162	173/176
155	162	176/188
191	162	176/188
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155	138	176/188
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191	140/162	176/188
155	138/162	188
149	162	173
ND	140/162	176/188
191	138/162	188
155	138	173/176
149	138	176
155	140/162	176/188
155	162	188
191	138/162	182/188
149/155	140	176
149	138	176
140/149/155	140/162	188
155	162	176
149/155	162	173/188
191	162	173/176
155	138	176/188
149	138	176/182/188
149/155	140/162	158/176/179
149	140	176/179
149/155	138	176
191	162	173/176/188
149	162	182
149	138	188
155	138/162	176/188
155	138/162	ND