

**IBT-UNALM PHENOTYPING Potato accessions selected for putative levels of Tolerance to Frost and Late B**

CODE	REGION	Name o f Variety	Native /Clone	Selected for other putative characters*	Spp	Ploidy
Pe-001	Huancavelica	Camutillo	Native		Solanum gonio	2x
Pe-002	Huancavelica	Puka Camutillo	Native		Solanum gonio	2x
Pe-003	Huancavelica	Poqya	Native		Solanum steno	2x
Pe-004	Huancavelica	Pumapa maquir	Native		Solanum tuber	4x
Pe-005	Huancavelica	Yana wenco	Native		Solanum tuber	4x
Pe-006	Huancavelica	Ccanchillo	Native		Solanum gonio	2x
Pe-007	Huancavelica	Ritipa sisan	Native		Solanum chauc	3x
Pe-008	Huancavelica	Camotillo rojo	Native		Solanum gonio	2x
Pe-009	Huancavelica	Camotillo amari	Native		Solanum gonio	2x
Pe-010	Huancavelica	Huaña	Native		Solanum juzep	3x
Pe-011	Huancavelica	Camotillo	Native		Solanum gonio	2x
Pe-012	Huancavelica	Suytu camotillo	Native		Solanum steno	2x
Pe-013	Huancavelica	Yuraq mauna	Native		Solanum tuber	4x
Pe-014	Huancavelica	S/N	Native			
Pe-015	Huancavelica	Mashua papa	Native		Solanum tuber	4x
Pe-016	Huancavelica	China siri	Native		Solanum curtill	5x
Pe-017	Huancavelica	Yana shiri waña	Native		Solanum juzep	3x
Pe-018	Huancavelica	Yana mauna	Native		Solanum tuber	4x
Pe-019	Huancavelica	Callina shiri	Native		Solanum curtill	5x
Pe-020	Huancavelica	Yuraq poqya-yu	Native		Solanum tuber	4x
Pe-021	Huancavelica	Suytu poqya	Native		Solanum steno	2x
Pe-022	Huancavelica	Yana gaspar	Native		Solanum chauc	3x
Pe-023	Huancavelica	Puka camotillo	Native		Solanum gonio	2x
Pe-024	Huancavelica	Dosis	Native		Solanum gonio	2x
Pe-025	Huancavelica	Guindo Gaspar	Native		Solanum gonio	2x
Pe-026	Huancavelica	Yana waña	Native		Solanum juzep	3x
Pe-027	Huancavelica	Waña Walas	Native		Solanum juzep	3x
Pe-028	Huancavelica	Camotillo	Native		Solanum gonio	2x
Pe-029	Huancavelica	Puka poqya	Native		Solanum gonio	2x
Pe-030	Huancavelica	Suytu poqya II	Native		Solanum steno	2x
Pe-031	Huancavelica	Yana manua	Native		Solanum tuber	4x
Pe-032	Huancavelica	Puka camotillo	Native		Solanum gonio	2x

Pe-033	Huancavelica	China siri	Native		Solanum curtil	5x
Pe-034	Huancavelica	Yana poqya	Native		Solanum tuber	4x
Pe-035	Huancavelica	Puka camotillo	Native		Solanum gonio	2x
Pe-036	Huancavelica	Suytu poqya	Native		Solanum steno	2x
Pe-037	Huancavelica	Durasnillo	Native		Solanum tuber	4x
Pe-038	Huancavelica	Yana manua	Native		Solanum tuber	4x
Pe-039	Huancavelica	Camotillo	Native		Solanum gonio	2x
Pe-040	Huancavelica	Suytu Gaspar	Native		Solanum chaud	4x
Pe-041	Huancavelica	Dosis	Native		Solanum gonio	2x
Pe-042	Huancavelica	Poqya	Native		Solanum tuber	4x
Pe-043	Huancavelica	Waña	Native		Solanum juzep	3x
Pe-044	Huancayo	302231.12	clone improved	D, LB	hibridos mejor	4X
Pe-045	Huancayo	302951.31	clone improved	D, LB	hibridos mejor	4X
Pe-046	Huancayo	399077.59	clone improved	D, LB	hibridos mejor	4X
Pe-047	Huancayo	396034.18	clone improved	D, LB	hibridos mejor	4X
Pe-048	Huancayo	395112.19	clone improved	D, LB	hibridos mejor	4X
Pe-049	Huancayo	399073.39	clone improved	D, LB	hibridos mejor	4X
Pe-050	Huancayo	COL 082	clone improved	D, LB	hibridos mejor	4X
Pe-051	Huancayo	399058.12	clone improved	D, LB	hibridos mejor	4X
Pe-052	Huancayo	399079.4	clone improved	D, LB	hibridos mejor	4X
Pe-053	Huancayo	COL 094	clone improved	D, LB	hibridos mejor	4X
Pe-054	Huancayo	COL 122	clone improved	D, LB	hibridos mejor	4X
Pe-055	Huancayo	397069.5	clone improved	D	hibridos mejor	4X
Pe-056	Huancayo	RC 1445.43-B	clone improved	D	hibridos mejor	4X
Pe-057	Cuzco	Puka muro ymil	Native		Solanum tuber	4x
Pe-058	Cuzco	Posi Bole	Native		Solanum tuber	4x
Pe-059	Cuzco	Yuraq Pacocha	Native		Solanum tuber	4x
Pe-060	Cuzco	Yuraq kuchillo P	Native		Solanum chaud	3x
Pe-061	Cuzco	Puka malan	Native		Solanum tuber	4x
Pe-062	Cuzco	Yuraq Pata Llaq	Native		Solanum tuber	4x
Pe-063	Cuzco	Yana Lluthu Rur	Native		Solanum tuber	4x
Pe-064	Cuzco	Puka Qompis	Native		Solanum tuber	4x
Pe-065	Cuzco	Muro Q'ewillo	Native		Solanum juzep	3x
Pe-066	Cuzco	Yana J'achun W	Native		Solanum chaud	3x
Pe-067	Cuzco	Yana Lontus	Native		Solanum chaud	3x
Pe-068	Cuzco	Puka Suyttu	Native		Solanum juzep	3x
Pe-069	Cuzco	Pukañawi Waqc	Native		Solanum juzep	3x
Pe-070	Cuzco	Yuraq K'usi	Native		Solanum tuber	4x
Pe-071	Cuzco	Q'ello Waqoto	Native		Solanum juzep	3x
Pe-072	Cuzco	Yana Waña	Native		Solanum juzep	3x
Pe-073	Cuzco	Yuraq Waña	Native		Solanum juzep	3x
Pe-074	Cuzco	Azul Qeta	Native		Solanum juzep	3x
Pe-075	Cuzco	Alqa Bole	Native		Solanum tuber	4x
Pe-076	Cuzco	Amakhaya	Native		Solanum tuber	4x

Pe-077	Cuzco	Waynasi	Native		Solanum tuber	4x
Pe-078	Cuzco	Yana Tarma	Native		Solanum tuber	4x
Pe-079	Cuzco	Orqo Mallku	Native		Solanum curtil	5x
Pe-080	Cuzco	Oqo Mallku	Native		Solanum curtil	5x
Pe-081	Cuzco	Yuraq Mallku	Native		Solanum curtil	5x
Pe-082	Cuzco	Wink'ullu Mallku	Native		Solanum curtil	5x
Pe-083	Cuzco	Muro Waman ur	Native		Solanum tuber	4x
Pe-084	Cuzco	Patallaqta	Native		Solanum tuber	4x
Pe-085	Cuzco	Puka Chiliko	Native		Solanum tuber	4x
Pe-086	Cuzco	Wayru	Native		Solanum chaudi	3x
Pe-087	Cuzco	Yana Bole	Native		Solanum tuber	4x
Pe-088	Cuzco	Yuraq sunch'u	Native		Solanum tuber	4x
Pe-089	Cuzco	soqo charkaway	Native		Solanum tuber	4x
Pe-090	Cuzco	Q'ello lontus	Native		Solanum tuber	4x
Pe-091	Cuzco	Lontus	Native		Solanum tuber	4x
Pe-092	Cuzco	Puka lomo	Native		Solanum tuber	4x
Pe-093	Cuzco	Puka p'alta	Native		Solanum tuber	4x
Pe-094	Cuzco	Yuraq waña	Native		Solanum juzep	3x
Pe-095	Cuzco	Yana mallku	Native		Solanum curtil	5x
Pe-096	Cuzco	Llama rurun	Native		Solanum tuber	4x
Pe-097	Cuzco	Qhete mallku	Native		Solanum curtil	5x
Pe-098	Cuzco	S.N.	Native			
Pe-099	Cajamarca	Aceituna	Native		Solanum gonid	2X
Pe-100	Cajamarca	Santa María	Native		Solanum tuber	4x
Pe-101	Cajamarca	Amarilis	Native		Solanum tuber	4x
Pe-102	Cajamarca	Chiquibonita	Native		Solanum tuber	4x
Pe-103	Cajamarca	Queta	Native		Solanum tuber	4x
Pe-104	Cajamarca	Sapa	Native		Solanum tuber	4x
Pe-105	Cajamarca	Frageada alianz	Native		Solanum tuber	4x
Pe-106	Cajamarca	Chimbina	Native		Solanum tuber	4x
Pe-107	Cajamarca	Revolución	Native		Solanum tuber	4x
Pe-108	Cajamarca	Putis	Native		Solanum tuber	4x
Pe-109	Cajamarca	Peruanita	Native		Solanum gonid	2x
Pe-110	Cajamarca	Putis negra	Native		Solanum tuber	4x
Pe-111	Cajamarca	Calcita	Native		Solanum tuber	4x
Pe-112	Cajamarca	Huagalina	Native		Solanum tuber	4x
Pe-113	Cajamarca	Limeña centro r	Native		Solanum gonid	2x
Pe-114	Cajamarca	Shiba negra	Native		Solanum tuber	4x
Pe-115	Cajamarca	Huamantanga	Native		Solanum gonid	2x
Pe-116	Cajamarca	Bola rayada	Native		Solanum tuber	4x
Pe-117	Cajamarca	Pura	Native		Solanum tuber	4x
Pe-118	Cajamarca	Inti	Native		Solanum tuber	4x
Pe-119	Cajamarca	Clavelilla roja	Native		Solanum tuber	4x
Pe-120	Cajamarca	Negra centro ar	Native		Solanum tuber	4x

Pe-121	Cajamarca	Putis blanca cen	Native		Solanum tuber	4x
Pe-122	Cajamarca	S.N.	Native			
Pe-123	Cajamarca	Morada	Native		Solanum tuber	4x
Pe-124	Cajamarca	Colorada centro	Native		Solanum tuber	4x
Pe-125	Cajamarca	Liberteña	Native		Solanum tuber	4x
Pe-126	Puno	Alq'a Tarma	Native		<i>S. tuberosum</i> ss	4x
Pe-127	Puno	Santa Rita	Native		<i>S. tuberosum</i> ss	4x
Pe-128	Puno	Luntusa	Native		<i>S. tuberosum</i> ss	4x
Pe-129	Puno	Waka Laqra	Native		<i>S. tuberosum</i> ss	4x
Pe-130	Puno	Alq'a Pitiquiña	Native		<i>S. tuberosum</i> ss	4x
Pe-131	Puno	Morado	Native		<i>S. tuberosum</i> ss	4x
Pe-132	Puno	Wayro	Native		<i>Solanum x chauc</i>	3X
Pe-133	Puno	Piña Negra	Native		<i>Solanum stonot</i>	2x
Pe-134	Puno	Imilla Negra	Native		<i>S. tuberosum</i> ss	4X
Pe-135	Puno	Alq'a Imilla	Native		<i>S. tuberosum</i> ss	4x
Pe-136	Puno	Gendarme	Native		<i>S. tuberosum</i> ss	4X
Pe-137	Puno	Q'oyllo	Native		<i>S. tuberosum</i> ss	4x
Pe-138	Puno	Puka Mari	Native		<i>S. tuberosum</i> ss	4X
Pe-139	Puno	nn	Native		<i>S. tuberosum</i> ss	4x
Pe-140	Puno	Q'oyllo	Native		<i>S. tuberosum</i> ss	4X
Pe-141	Puno	Imilla Blanca	Native		<i>S. tuberosum</i> ss	4x
Pe-142	Puno	Casa Blanca	Native		<i>S. tuberosum</i> ss	4X
Pe-143	Puno	Tantalla Turque	Native		<i>S. tuberosum</i> ss	4x
Pe-144	Puno	Tantalla	Native		<i>S. tuberosum</i> ss	4X
Pe-145	Puno	Tantalla Blanca	Native		<i>S. tuberosum</i> ss	4x
Pe-146	Puno	Khuchi Q'allu	Native		<i>Solanum stonot</i>	2x
Pe-147	Puno	Lomo Jaspeado	Native		<i>S. tuberosum</i> ss	4x
Pe-148	Puno	Ch'ikiña Blanca	Native		<i>Solanum stonot</i>	2x
Pe-149	Puno	Q'ullo Q'auna	Native		<i>S. tuberosum</i> ss	4x
Pe-150	Puno	Alq'a Wacra Lac	Native		<i>S. tuberosum</i> ss	4x
Pe-151	Puno	Santiaguito	Native		<i>S. tuberosum</i> ss	4x
Pe-152	Puno	Pepino	Native		<i>S. tuberosum</i> ss	4x
Pe-153	Puno	Sika Sika	Native		<i>S. tuberosum</i> ss	4x
Pe-154	Puno	Piña Blanca	Native		<i>Solanum stonot</i>	2x
Pe-155	Puno	Lomo Azul	Native		<i>S. tuberosum</i> ss	4x
Pe-156	Puno	Yungay	Native		<i>Solanum tuberos</i>	2x
Pe-157	Puno	Parqo Morado	Native		<i>Solanum x juzep</i>	3x
Pe-158	Puno	Yurac Kauchalli	Native		<i>Solanum x juzep</i>	3x
Pe-159	Puno	Tajta	Native		<i>S. tuberosum</i> ss	4x
Pe-160	Puno	Huila Saq'ampa	Native		<i>S. tuberosum</i> ss	4x
Pe-161	Puno	Sutamari	Native		<i>S. tuberosum</i> ss	4x
Pe-162	Puno	Jacu Acupallata	Native		<i>S. tuberosum</i> ss	4x
Pe-163	Puno	Tajta Rosada	Native		<i>S. tuberosum</i> ss	4x
Pe-164	Puno	Kak'a Pata	Native		<i>S. tuberosum</i> ss	4x

Pe-165	Puno	Pitiquilla Roja	Native		<i>Solanum stonot</i>	2x
Pe-166	Puno	nn	Native		no identificado	
Pe-167	Puno	Canasta	Native		<i>S. tuberosum</i> ss	4x
Pe-168	Puno	Juan Domingo	Native		<i>S. tuberosum</i> ss	4x
Pe-169	Puno	Negro Pampina	Native		<i>S. tuberosum</i> ss	4x
Pe-170	Puno	Cresta de Gallo	Native		<i>S. tuberosum</i> ss	4x
Pe-171	Puno	Q'ello Suita	Native		<i>S. tuberosum</i> ss	4x
Pe-172	Puno	nn	Native		<i>S. tuberosum</i> ss	4x
Pe-173	Puno	nn	Native		<i>S. tuberosum</i> ss	4x
Pe-174	Puno	nn	Native		<i>S. tuberosum</i> ss	4x
Pe-175	Puno	Muruq'o	Native		<i>S. tuberosum</i> ss	4x
Pe-176	Puno	Morado Ch'ikilla	Native		<i>S. tuberosum</i> ss	4x
Pe-177	Puno	Waka Ñuño	Native		<i>S. tuberosum</i> ss	4x
Pe-178	Puno	nn	Native		<i>S. tuberosum</i> ss	4x
Pe-179	Puno	nn	Native		<i>S. tuberosum</i> ss	4x
Pe-180	Puno	Moroq'o Luk'i	Native		<i>Solanum x juzep</i>	3X
Pe-181	Puno	Ch'iaara Imilla	Native		<i>S. tuberosum</i> ss	4x
Pe-182	Puno	Sutamari	Native		<i>S. tuberosum</i> ss	4x
Pe-183	Puno	W	clone improved		Clon	4x
Pe-184	Puno	Piñaza juzepczu	Native		<i>Solanum x juzep</i>	3X
Pe-185	Puno	Loka juzepczuki	Native		<i>Solanum x juzep</i>	3X
Pe-186	Huancayo	RC2099.48				
Pe-187	Huancayo	Huayro rojo				
Pe-188	Huancayo	Muru Huayro				
Pe-189	Huancayo	Palta murunqui				
Pe-190	Huancayo	Mauna				
Pe-191	Huancayo	Pumapa maquin negro				
Pe-192	Huancayo	Cuchillo paqui				
Pe-193	Huancayo	Pulursh				
Pe-194	Huancayo	Peruanita				
Pe-195	Huancayo	Pamaspa Huarian				
Pe-196	Huancayo	Camotillo				
Pe-197	Huancayo	Yana Huancuy				
Pe-198	Huancayo	Yana piña				
Pe-199	Huancayo	Talmish				
Pe-200	Huancayo	Chaulina				
Pe-201	Huancayo	Perdiza runtun				
Pe-202	Huancayo	Ñata doce				
Pe-203	Huancayo	Sumacc soncco				
Pe-204	Huancayo	Yana lengua de vaca				
Pe-205	Huancayo	Huayta chuco				
Pe-206	Huancayo	Calito				
Pe-207	Huancayo	Yuracc shiri				
Pe-208	Huancayo	Yana huayro				

Pe-209	Huancayo	Ishcupuro				
Pe-210	Huancayo	Yana challhuay				
Pe-211	Huancavelica	Huancavelica I rojo				
Pe-212	Huancavelica	Huancavelica II blanco				
Pe-213	Cuzco	Laco				
Pe-214	Cuzco	Muru wayruru				
Pe-215	Cuzco	Muru Olomes				

### **LEYENDA**

<sup>1</sup>Escala de Marudez del Tuberculo:

1= Muy Precoz (menor a 120 días)

2 = Precoz (120-139 días)

3 = Intermedio (140-159 días)

4= Tardío (160-180 días)

5=Muy tardío (mayor a 180 días)

<sup>2</sup>Escala de nivel de daño por Heladas:

<b>Grado</b>	<b>Daño por helada</b>
0	Sin daños visibles
1	Ligero bronceado en el foliolo superior
2	Unos pocos foliolos superiores muertos
3	Muchos foliolos superiores muertos
4	Muchas hojas muertas
5	Todas las hojas y peciolo muertos
6	Todas las hojas y tallos muertos (planta entera)

PUNO: Reacción -0.4°C

\* Cosecha Jauja, Siembra 11 Nov 2017, Cosecha Abril 30 2018. Excepto Pe-044 a Pe 056, cosechado en Hualpe, Pe-186 a Pe-210 cosechado en Mayo 23 2017.

Pe-126 a Pe-185 Siembra en Puno 13 Nov 2017, Cosecha 15 mayo 2018

Tuber Maturity MADUREZ DEL TUBÉRCULO	Frost damage	Number tubers/plant	Yield (t/ha)	% Late Blight	Valor de la Escala de Susceptibilidad	% Foliar Damage% by Hailstorm
	Level Nive daño Helada	Numero de tuberculos por planta*	Rendimiento t/ha*	% Late Blight % RANCHA	ad VES	daño en follaje por granizada (12.01.18)
MT <sup>1</sup>	<sup>2</sup> E1		THA2		<sup>4</sup> VES	
4	3	18.4	13.2			
4	3	9.6	4.2			
4	3					
4	3	16	15.3			
4	3	17.5	7.8			
4	3	1.6	0.9			
4	3	7.1	4.5			
4	3	12.1	9.3			
4	3	14.9	9.3			
4	2	18.5	18.6			
4	3	13.8	6.9			
4	3	3.4	0.9			
4	3	11.8	12.3			
4	3					
4	3	16.5	21.3			
4	3	13.1	6			
4	2	10.6	8.4			
4	3					
4	3	7.8	6.6			
4	3	8.1	3			
4	3	15.7	14.7			
4	3	8.2	9.9			
4	3	18.1	10.2			
4	3	6.2	4.5			
4	3	18.6	10.8			
4	3					
4	3	11.8	3.6			
4	3					
4	3	32.8	34.2			
4	3					
4	3					
4	3					

4	3				
4	3				
4	3				
4	3				
4	3	24.9	13.8		
4	3	33.9	26.1		
4	3				
4	3	2	0.249		
4	3	8.6	3.6		
4	3	21.2	15		
4	3		10		
4	3	22.7	28.2	5	
4	3	12.7	20.1	5	
4	3	21.4	27.6	3	
4	3	15.4	11.1	3	
4	3	15.3	26.7	5	
4	3	26.2	25.5	5	
4	3	16.7	26.436	3	
4	3	16.8	21.6	1	
4	3	26.1	36.3	5	
4	3	13.8	20.1	3	
4	3	9.7	10.5	10	
4	3	13.1	13.8	45	
4	3	4.8	5.4	50	
4	3	6.1	7.2		
4	3	0.7	0.189		
4	3	6.3	3.9		
4	3	2.3	2.1		
4	3	6.2	3.9		
4	3	3.6	0.753		
4	3	6.6	4.2		
4	3	0.7	0.216		
4	3	9	3.9		
4	3	0	0		
4	3	29.5	13.5		
4	3	1.8	0.6		
4	3	8.9	7.2		
4	3	1.3	0.9		
4	3	6.7	4.5		
4	3	1.4	1.2		
4	3	0.6	0.525		
4	3	0.9	0.198		
4	3	12.1	15.3		
4	3	15.2	9.3		





4	3				
4	3				
4	3				
4	3				
4	3				
4	3	21.7	66.00		35
4	3	20.1	40.63		40
4	3	60.7	55.51		30
4	3	22.6	47.28		45
4	3	26.8	40.92		30
4	3	11.2	18.08		35
4	3	14.6	31.56		25
4	3	26.5	39.77		35
4	3	33.2	17.66		40
4	3	25.2	28.60		35
4	3	26.7	45.80		35
4	3	39.5	49.67		35
4	3	43.4	40.50		40
4	3	43.6	51.74		35
4	3	31.7	46.33		30
4	3	23.8	51.04		25
4	3	36.1	38.12		30
4	3	24.7	30.60		45
4	3	25.2	40.08		45
4	3	52.8	63.53		25
4	3	59.5	39.60		40
4	3	40.3	47.69		40
4	3	30.4	36.70		45
4	3	26.5	55.00		40
4	3	28.4	51.74		35
4	3	31.0	67.82		35
4	3	60.9	54.49		40
4	3	57.0	53.09		30
4	3	53.8	39.44		25
4	3	65.4	61.71		45
4	4	43.6	65.01		40
4	3	29.2	56.03		25
4	3	16.7	34.32		45
4	3	37.1	29.37		40
4	3	33.3	57.09		30
4	3	19.0	40.71		45
4	3	24.1	63.27		45
4	3	50.0	40.18		30
4	3	29.0	37.52		35

4	3	22.3	50.73			30
4	3	27.5	47.60			30
4	3	10.1	9.99			45
4	3	18.0	38.48			35
4	3	20.0	36.73			25
4	3	37.0	24.75			35
4	3	22.8	38.89			35
4	3	35.2	35.42			40
4	3	22.8	14.58			45
4	3	34.6	41.82			40
4	3	17.2	35.15			40
4	3	15.4	23.50			40
4	3	38.0	17.52			45
4	3	31.0	21.04			40
4	3	30.0	37.13			45
4	2	42.7	55.96			40
4	3	35.3	64.43			25
4	3	0.0	0.00			35
4	3	33.5	44.39			40
4	1	35.5	43.07			35
4	1	28.5	41.25			30
		10.3	10.8			
		14	17.4			
		9.9	14.7			
		13.7	11.7			
		17.4	17.1			
		9.6	7.5			
		14.9	13.2			
		8.2	6.9			
		3.3	2.07			
		11.6	9			
		19.4	7.8			
		4.9	3.9			
		5.1	3			
		13.2	8.7			
		10	4.2			
		7.9	4.5			
		14	8.1			
		10.2	9			
		17.7	15.6			
		17.9	20.7			
		21.2	12			
		9.6	5.7			
		4.4	4.2			

		5.8	2.1		
		9.6	14.1		
		16.6	3.9		
		6.3	7.5		
		1.7	1.2		
		9.2	4.5		
		6.9	4.8		

<sup>3</sup>Escala de vigor

- 1 Muy Débil
- 2 Débil
- 3 Intermedio
- 4 Vigoroso
- 5 Vigoroso

<sup>4</sup>Escala susceptibilidad a tizon tardío VES

- 0 Muy Resistente
- 11 Muy Susceptible

ncayo Junio 26 2017 y

Cold Damage in Chamber Daño por helada en camara controlada-Jauja- enero-2018		Cold Damage in Chamber Daño por helada en camara controlada-Cicaya- diciembre-2018		Yolerance to Frost Tolerantes a la helada
-4°C	-8°C	-4°C	-8°C	
		2	5	S
		2	3	T
				S
		1	6	S
		2	6	S
				S
		2	6	S
2	6	1	3	T
		2	6	S
		1	3	T
		3		S
		2	5	S
		1	5	S
		2	5	S
				S
		1	5	S
		2	6	S
		0	6	S
				S
		3	6	S
		3		S
		3	6	S
				S
1	6	2	6	S

1	6	3	6	S
		2		S
3	6	1	6	S
		3		S
		3		S
1	6	1	4	S
1	6	1	6	S
1	6	1	5	S
1	6	3	3	T
1	6	0	6	S
1	6	2	6	S
2	6	2	5	S
3	6	1	5	S
1	6	1	5	S
1	6	1	5	S
1	6	0	5	S
3	6	5		S
1	6	0	5	S
		2	6	S
1	3	1	6	T
		5		S
		1	6	S
1	6	1	6	S
		3	6	S
		1		S
1	6	4		S
2	6	1	6	S
		1	6	S
		3		S
		0	5	S
		1	6	S
		1	6	S
		3	6	S

1	6	3		S
3	6			S
1	6	5		S
		3		S
		1	6	S
		3	4	S
		0	5	S
		1	6	S
		3		S
		1	6	S
1	6			S
		3	6	S
6	6			S
		4		S
1	6			S
				S
1	6			S
1	6			S
1	6	1	6	S
1	6	3		S
1	6	2	6	S
1	6	2	6	S
1	6	1	5	S
		3		S
		3	5	S
		1	5	S
		3		S
1	6	3		S
6	6			S
1	6	2	5	S
		4		S
1	6	1		S
		1		S
1	6	4		S
		3		S

1	6	1	6	S
		0	5	S
		5		S
		3		S
		2	6	S
		1	6	S
		4		S
		4		S
		1	6	S
		3		S
		0	2	T
		4		S
		2	6	S
		2	6	S
		2	6	S
		3		S
		4		S
		3	6	S
		5		S
		1	5	S
		1	6	S
		0	5	S
		1	5	S
		5		S
		5		S
		2	6	S
		2	6	S
		3		S
		2	5	S
		3		S
		2	5	S
		2	6	S
		0	6	S
		2	6	S
		0	6	S
		0	5	S



		1	6	S
		1	5	S
		3		S
		4		S
		4		S
		1	6	S
		4		S
		2	6	S
		3		S
		1	6	S
		3		S
		4		S
		0	3	S
		0	6	S
		3		S
		1	6	S
1	2	2	5	T
1	2	1	5	T
1	6	1	6	S
3	6	1	5	S
1	6	2	3	T
6	6	0	5	S
1	6	2	5	S
1	6	1	5	S
1	6	1	6	S
		1	6	S
1	6	1	6	S
1	6	1	6	S
1	6	2	6	S
		4		S
1	6	2	6	S
3	6	1	6	S
3	6	1	5	S
1	6	3		S
1	6	1	6	S
		2	3	T
1	6	1	5	S
1	6	2	5	S
3	6	1	6	S
1	6	3		S
1	6	4		S

		2	6	S
1	6			S
		3	6	S
1	6	4	5	S
		3	5	S
3	6	0	5	S

Toierance to  
frost:  
S= Susceptible  
T= Tolerant