

Table S1: *P. pinaster* PpiSnRK sequence names, clusters, protein and domain identifiers (ID). SnRK clusters according to sequence similarity and protein domain layout (PpiSnRK1: containing the Ser/Thr kinase PTHR24343, IPR015940 and IPR001772 domains; S1R: regulatory subunits of SnRK1 with PTHR13780, IPR032640, IPR000644 and IPR006828 domains; PpiSnRK2: containing the Ser/Thr kinase PTHR24343, PTHR24343:SF387, PTHR24343:SF160, PTHR24343:SF374 or PTHR24343:SF401 domains; and PpiSnRK3: containing the Ser/Thr kinase PTHR24343:SF123 or PTHR43895 and their respective subgroups SF11, SF83, SF67, SF3 and SF61. PpiSnRK1L was an exception, containing the MAP/microtubule affinity-regulating kinase PTHR24346 domain).

Sequence name	Sequence cluster	Protein ID	Domain ID
PpiSnRK1	PpiSnRK1	PPI00063267	PTHR24343 PTHR24343:SF406 IPR015940 IPR001772
PpiSnRK1L		PPI00037946	PTHR24346
PpiSnRK γ 1	PpiSnRK1-regulatory	PPI00072908	PTHR13780 IPR000644
PpiSnRK γ 2		PPI00057630	
PpiSnRK γ 3		PPI00037042	
PpiSnRK β 1		PPI00030437	IPR014756 IPR032640 IPR006828
PpiSnRK β 2		PPI00006263	IPR006828
PpiSnRK β γ 1		PPI00070488	PTHR13780 IPR032640 IPR000644 IPR014756
PpiSnRK β γ 2		PPI00011715	
PpiSnRK2.1	PpiSnRK2	PPI00006643	PTHR24343 PTHR24343:SF387
PpiSnRK2.2		PPI00007852	
PpiSnRK2.3		PPI00074180	
PpiSnRK2.4.1		PPI00008769	PTHR24343 PTHR24343:SF160
PpiSnRK2.4.2		PPI00055947, unigene20210, isotig30430	
PpiSnRK2.5		PPI00023625-PPI00030306, isotig64833, unigene103244, isotig74909	PTHR24343 PTHR24343:SF374
PpiSnRK2.6.1		PPI00050983	PTHR24343 PTHR24343:SF401
PpiSnRK2.6.2		PPI00064801	
PpiSnRK3.1	PpiSnRK3	PPI00016445	PTHR24343 PTHR24343:SF123 IPR004041 IPR018451
PpiSnRK3.2		PPI00014579	PTHR43895 PTHR43895:SF11 IPR004041 IPR018451
PpiSnRK3.8.1		PPI00070492	

PpiSnRK3.8.2	PPI00063987, unigene35677, unigene7130	
PpiSnRK3.8.3	PPI00035743, unigene140469, unigene7130	
PpiSnRK3.23	PPI00014785	
PpiSnRK3.25	PPI00014498	
PpiSnRK3.28	PPI00007336	
PpiSnRK3.3	PPI00012924	PTHR43895 PTHR43895:SF83 IPR004041 IPR018451
PpiSnRK3.4	PPI00012606	
PpiSnRK3.5	PPI00007913	PTHR43895 PTHR43895:SF67 IPR004041 IPR018451
PpiSnRK3.6	PPI00008428	
PpiSnRK3.7	PPI00007793	
PpiSnRK3.9	PPI00072973, isotig92254, unigene8326	PTHR43895 PTHR43895:SF3 IPR004041 IPR018451
PpiSnRK3.10.1	PPI00065380	
PpiSnRK3.10.2	PPI00013549	
PpiSnRK3.11.1	PPI00063956	
PpiSnRK3.11.2	PPI00030093	
PpiSnRK3.12	PPI00062314	
PpiSnRK3.13	PPI00059400	
PpiSnRK3.14	PPI00052281, unigene18905	
PpiSnRK3.15	PPI00049382	
PpiSnRK3.16	PPI00044696, unigene16659	
PpiSnRK3.17	PPI00036237	
PpiSnRK3.18	PPI00033895	
PpiSnRK3.22	PPI00015534	
PpiSnRK3.24	PPI00014722	
PpiSnRK3.26	PPI00013408	
PpiSnRK3.27	PPI00008604, isotig30080	
PpiSnRK3.20	PPI00033815	
PpiSnRK3.21	PPI00020942	PTHR43895 PTHR43895:SF61 IPR004041 IPR018451
PpiSnRK3.29	PPI00057797, unigene21916	PTHR43895 PTHR43895:SF67
PpiSnRK3.30	PPI00062610	PTHR43895
PpiSnRK3.19	PPI00006569	
PpiSnRK3.31	PPI00059942	