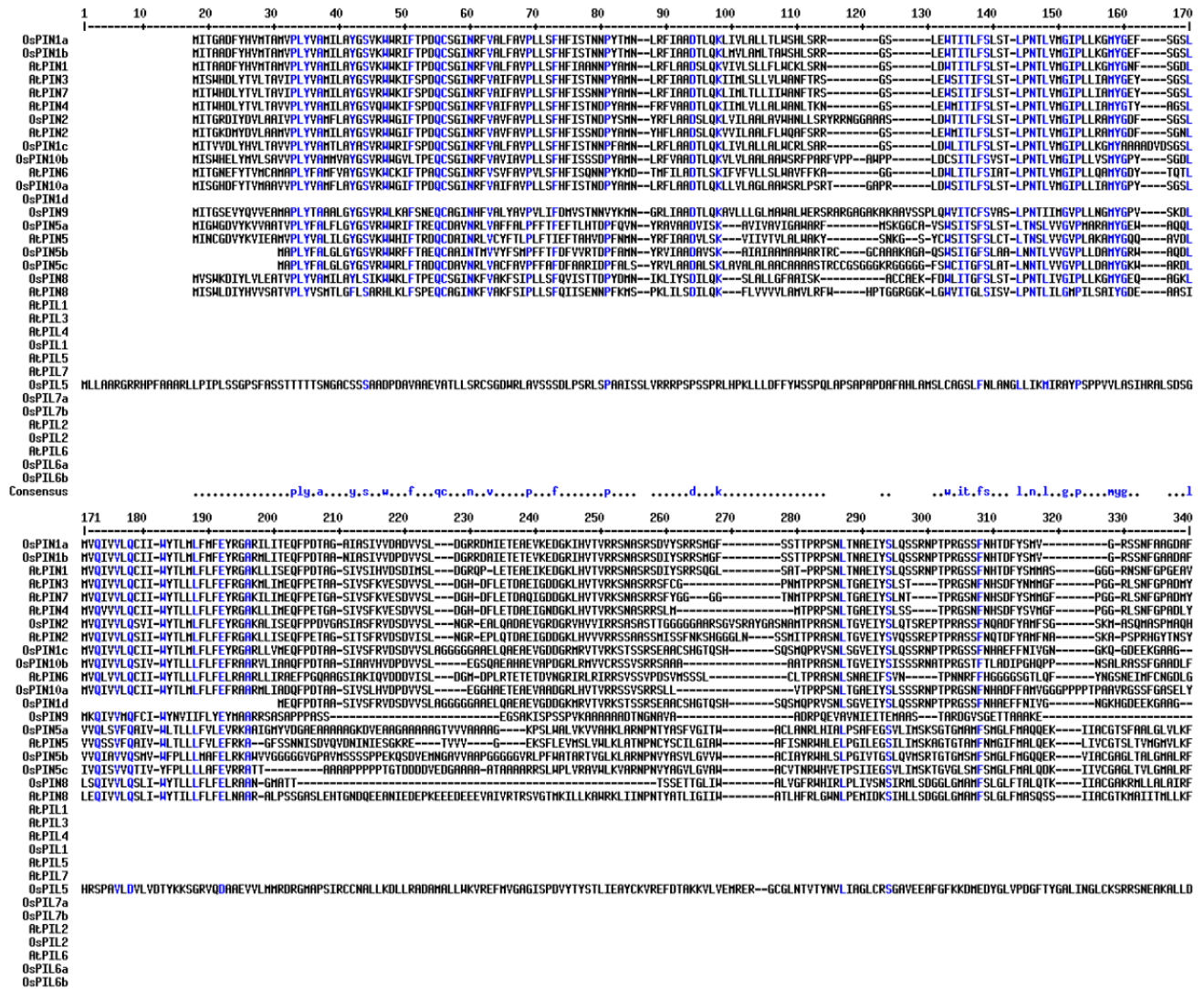


Supplementary Information

Supplementary Data File 1

Multiple sequence alignment of OsPIN, AtPIN and OsPILS protein. Sequence alignment shows, alignment of OsPILS starts towards the end of the OsPIN and AtPIN sequence. This shows that, OsPILS and PIN proteins are highly dissimilar in their sequence.



	341	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510
OsP1M1a																		
OsP1M1b																		
AtP1N1																		
AtP1N3																		
AtP1N7																		
AtP1N4																		
OsP1N2																		
AtP1N2																		
OsP1N1c																		
OsP1N1b																		
AtP1N6																		
OsP1M1a																		
OsP1M1d																		
OsP1N9																		
AtP1N5a																		
AtP1N5b																		
OsP1N5c																		
AtP1N8																		
AtP1N8																		
AtP1L1																		
AtP1L3																		
AtP1L4																		
AtP1L1																		
AtP1L5																		
AtP1L7																		
OsP1L5																		
OsP1L7a																		
OsP1L7b																		
AtP1L2																		
OsP1L2																		
AtP1L6																		
OsP1L6a																		
OsP1L6b																		
Consensus																		
	511	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680
OsP1M1a																		
OsP1M1b																		
AtP1N1																		
AtP1N3																		
AtP1N7																		
AtP1N4																		
AtP1N2																		
AtP1N2																		
OsP1N1c																		
OsP1N1b																		
AtP1N6																		
OsP1M1a																		
OsP1M1d																		
OsP1N9																		
AtP1N5a																		
AtP1N5b																		
OsP1N5c																		
AtP1N8																		
AtP1N8																		
AtP1L1																		
AtP1L3																		
AtP1L4																		
AtP1L1																		
AtP1L5																		
AtP1L7																		
OsP1L5																		
OsP1L7a																		
OsP1L7b																		
AtP1L2																		
OsP1L2																		
AtP1L6																		
OsP1L6a																		
OsP1L6b																		
REGNVS																		
OsP1L7a																		
OsP1L7b																		
AtP1L2																		
OsP1L2																		
AtP1L6																		
OsP1L6a																		
OsP1L6b																		

