AT2021470.1 POPTR_0004116530.1 POPTR_000912300.1 solyc01g109960.1.1 Loc_0s07g39760.2 Bradi1g33100.1 Bh02g037850.1 GRMZM20129575_F	KASLCHSCALKGAKVLMVGAGGIGCELLKTLALSGFCDIHILS-GALEVKGLAQWLQGVFHVRDGGDDKECRYKIDMDTIEVARDAVLRFRPHISITPYHANVKDSNFNVDFFKQFNVVLNGLDNLDARRHVNRLCLASUVLVEGGTGFLQQVTHVKGKTEC	153 153 164 137 153 158 153 157 154
AT2321470.1 POPTR 000416630.1 POPTR 000912300.1 GSVIVT01023831001 solya01g109960.1.1 LCC 0007g39780.2 Bradi1g23100.1 Sb02g037850.1 GRMZM20129575_F		323 300 331 307 323 323 318 322 319
AT2G21470.1 POPTR 0009±16630.1 POPTR 0009±12300.1 GAVIVT01023831001 solya01g10960.1.1 Loc 0007g39780.2 Bradi1g23100.1 Sb02g037850.1 GRMEM20129575_F		492 469 501 476 492 492 487 491 488
AT2G21470.1 POPTR_0004s16630.1 pOPTR_000s12300.1 gavrvT01023831001 solyc01g109960.1.1 Loc_0s07g39780.2 Bradi1g33100.1 sb02g037850.1 gRMZM20129575_F		0 2 8 0 4 3 1

Fig. S2 Alignment of SUMO activating enzyme subunit 2 (SAE2) protein sequences