

Table S3 Stress resistance phenotypes associated with the PaMpk1, PaMpk2 and PaMpk3 MAPK modules inactivation

	WT	Δ PaMpk 1	PaMKK1 (IDC ⁴⁰⁴)	PaASK1 (IDC ¹¹⁸)	Δ PaMpk2	Δ PaMKK 2	Δ PaTLK2	Δ PaMpk3	Δ PaMKK 3	Δ PaHOK 3	Δ 1 Δ 2	Δ 1 Δ 3	Δ 2 Δ 3	Δ 1 Δ 2 Δ 3
thermo-sensitivity at 37°C ^a	100%	80%	80%	85%	85%	85%	80%	100%	100%	100%	100%	80%	70%	100%
cryo-sensitivity at 11°C ^a	100%	90%	90%	90%	80%	80%	80%	100%	100%	100%	80%	80%	80%	75%
neutral osmo-sensitivity (sorbitol 200g/l) ^a	100%	95%	95%	95%	95%	95%	85%	0%	0%	0%	10%	0%	0%	0%
neutral osmo-sensitivity (saccharose 200g/l) ^a	100%	95%	95%	95%	75%	75%	90%	50%	50%	50%	95%	30%	0%	0%
ionic sensitivity (KCl 0.5M) ^a	100%	80%	80%	80%	90%	90%	75%	0%	0%	0%	35%	0%	0%	0%
ionic sensitivity (NaCl 0.5M) ^a	100%	80%	80%	80%	95%	95%	75%	0%	0%	0%	70%	0%	0%	0%
ionic sensitivity (CaCl ₂ 0.5M) ^a	100%	85%	85%	85%	30%	30%	85%	0%	0%	0%	30%	0%	0%	0%
0.5 mM EGTA ^a	100%	90%	90%	90%	80%	80%	90%	95%	95%	95%	110%	90%	75%	80%
0.04% H ₂ O ₂ sensitivity ^a	100%	140%	160%	160%	180%	180%	180%	160%	160%	170%	170%	160%	175%	0%
10-4 M TBX sensitivity ^a	100%	105%	105%	100%	110%	105%	75%	100%	100%	105%	140%	95%	120%	115%
5. 10-5 M Menadione sensitivity ^a	100%	80%	85%	95%	115%	100%	95%	115%	110%	120%	125%	0%	105%	110%
50 μ g/ml calcofluor sensitivity ^a	100%	90%	90%	100%	185%	175%	175%	120%	100%	120%	135%	85%	160%	140%
5mM caffeine sensitivity ^a	100%	110%	110%	115%	115%	115%	115%	100%	100%	100%	115%	115%	115%	130%

0,1 µg/ml nikkomycin sensitivity	100%	75%	75%	75%	130%	130%	115%	100%	100%	100%	130%	75%	130%	100%
5 µg/ml Iprodione ^a	100%	105%	105%	105%	180%	160%	105%	100%	100%	100%	160%	100%	170%	190%
0.01 µg/ml Fluoxonil ^a	100%	40%	70%	105%	220%	135%	50%	185%	195%	200%	165%	180%	220%	225%

^a the table gives the percentage of growth speed as compared to wild type (100%)