

Table 1 Suppl. Primer sequences of analyzed genes and their melting temperature (Tm).

Target genes	Forward primers (5'-3')	Reverse primers (5'-3')	Tm [°C]
<i>AsSAG39</i>	CCTCGCTGTTCTTGCCGTGAG	CGTGCTCAGCCATCCACTTCTC	63
<i>Ash36</i>	TGGGAATGTGTTCAGGGTAA	TCACCTCGATGAGGTAGTCG	60
<i>AsI20</i>	GGGTAGACGGCAACGATACT	TACTTGTTGAATCGTCGGA	60
<i>AsHSP12</i>	GCAGACCGACGGAAGCAAGTC	GAGGCCGACTGCGTTCTTGAC	62
<i>AsHSP17.8</i>	GGCGACATCAAGGTGCAGGTG	ACTTGCGTCCTCCTTCTCCTC	62
<i>AsHSP26.7</i>	GCGGCGAGCACAAGAAGGAG	GACCTGCACGTCGATGACCTTG	64
<i>AsHSP70</i>	GCTGAGGATGACGAAGACGAAGAC	ATCGGCGTTGACGTGAACCATC	60
<i>AsHSP82</i>	GAGCCTGACGGACAAGAGCAAG	GGAGTGAAGCAGAGTAACGAGACG	64
<i>AsHSP90.1-b1</i>	ACGAAGTGATCTTCATGGTGGATG	CTGTCGCCGAGAATGTCCTTGAT	64
<i>AsHSP90-5</i>	GGCACCGCTTAGCAATGAGGAG	ACAGTTCACCATCGAAGTCATCGG	62
<i>Asβ-Actin</i>	CCTTTTCCAGCCATCTTTCA	GAGGTCCTTCCTGATATCCA	58

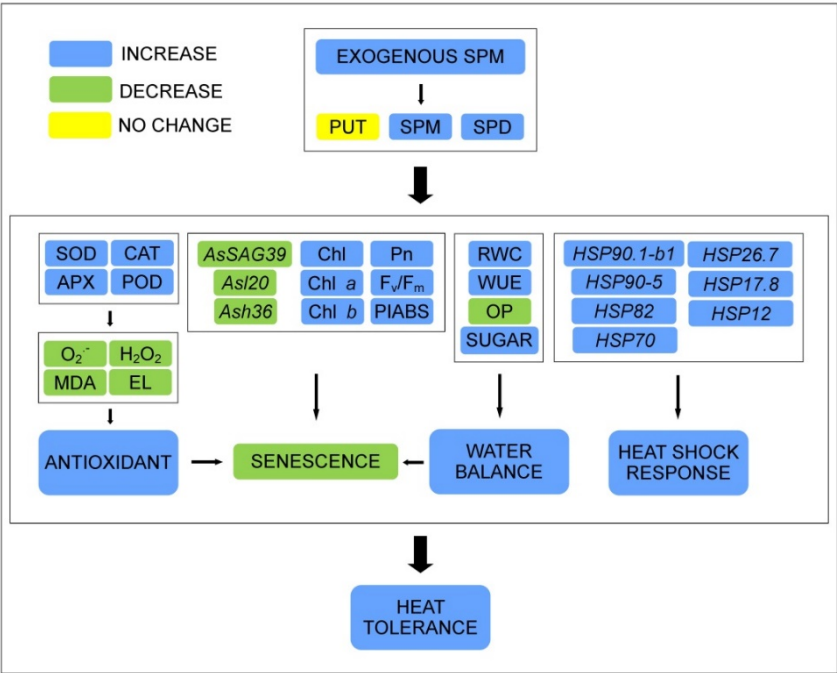


Fig. 1 Suppl. Proposed model for spermine-induced alleviation of heat stress in creeping bentgrass based on the results of the present study. Blue indicates a significant increase; green indicates a significant decrease; yellow indicates no significant change.