

**Table S1. Primer sequences**

<b>Name</b>	<b>Sequence (5' to 3')</b>
2B N-FLAG Fwd	TAGCTAGCGCCACCATGGGAGCAGACTACAAGGACGATGACGACAAGGCC GCTGGCGTGGACTGCG
2B N-FLAG Rev	ATGCGGCCGCTCAAACCTTTCCAATTTTTTTTTATTTTTTACCC
S159I Fwd	TATTACAAGTACATCAAAGAGAAGACAT
S159I Rev	ATGTCTTCTCTTTGATGTACTTGTAAATA
K162T Fwd	CAGCAAAGAGACGACATTAAGTGG
K162T Rev	CCACTTTAATGTCGTCTCTTTGCTG
T163I Fwd	GCAAAGAGAAGATATTAAGTGGC
T163I Rev	GCCACTTTAATATCTTCTCTTTGC
V185G Fwd	ATAATGTGAATGGCAGTTCCCGGGTA
V185G Rev	TACCCGGGAAGTCCATTACATTAT
hsZMYM3 N-HA Fwd	CGCTTAAGCCACCATGTACCCATACGATGTTCCAGATTACGCTGGAGCTGA CCCCAGTGATTTCCC
hsZMYM3 Rev	CAGCGGCCGCTCAGTCCAGGTCTTCCTC
hsZMYM1 N-HA Fwd	CAGGATCCGCCACCATGTACCCATACGATGTTCCAGATTACGCTGGAGCTA AAGAACCCTTTTAGGTGGTGAG
hsZMYM1 Rev	CTGCGGCCGCTTATATTTCTTTCATCTGACTGATAAAC
hsZMYM2 N-HA Fwd	CAGGATCCGCCACCATGTACCCATACGATGTTCCAGATTACGCTGGAGCTG ACACAAGTTCAGTGGGAGG
hsZMYM2 Rev	GTGCGGCCGCTTAGTCTGTGTCTTCATCCAGTTC
hsZMYM4 N-HA Fwd	CAGGATCCGCCACCATGTACCCATACGATGTTCCAGATTACGCTGGAGCTG CGGAGAGAGAGGTGGAGTC
hsZMYM4 Rev	GTGCGGCCGCTTAATCTGATAATTCAACATCAGAG
hsZMYM6 N-HA Fwd	CAGGATCCGCCACCATGTACCCATACGATGTTCCAGATTACGCTGGAGCTA AAGAACCCTTTGGATGGTGAATGTG
hsZMYM6 Rev	CTGCGGCCGCTACTCTTCTCCTTCACTAATTTTTTC
hsZMYM3Δ1124- 1370 Rev	CTGCGGCCGCTATTCTCTCTTCCGTTTTCCAGGACCCGTGTCTCGCCCTTTC CTCTGGCGGACTG GAGTGATTTCTCTCACAACCTGGG
hsZMYM3Δ944-1370 Rev	CTGCGGCCGCTATTCTCTCTTCCGTTTTCCAGGACCCGTGTCTCGCCCTTTC CTCTGGCGGACTG GCTCAGCCTCTGCAATCATTTCTG
hsZMYM3Δ863-1370 Rev	CTGCGGCCGCTATTCTCTCTTCCGTTTTCCAGGACCCGTGTCTCGCCCTTTC CTCTGGCGGACTG GTGGCTTCCACTCTTCTGTTTGAC
hsZMYM3Δ1183- 1370 Rev	CTGCGGCCGCTATTCTCTCTTCCGTTTTCCAGGACCCGTGTCTCGCCCTTTC CTCTGGCGGACTG GGTTGGGGAGGAGTGTGGGC
hsZMYM3ΔPP Rev	CATGGCAGCCTTGTTTTGCGAGCTGATCGGGTCTTCACAGG
hsZMYM3ΔPP Fwd	CCTGTGAAGACCCGATCAGCTCGCAAAAACAAGGCTGCCATG
hsZMYM3Δ863-942 Rev	CAGATGAGGCCTTGCTAACTCTGGCTTCCACTCTTCTGTTTGAC
hsZMYM3Δ863-942 Fwd	GTCAAACAGAAGAGTGGAAGCCAGAGTTAGACAAGGCCTCATCTG
hsZMYM3-HA-ZF1 Fwd	GCGAATTCGCCACCATGTACCCATACGATGTTCCAGATTACGCTGCAGTGG GCACCAAGATGAC
hsZMYM3-HA-ZF2 Fwd	GCGAATTCGCCACCATGTACCCATACGATGTTCCAGATTACGCTCTCACCAC TTTCTCCAAGAAG
hsZMYM3-NLS-ZF1 Rev	GCGGCCGCTATACCTTACGTTTCTTCTTAGGGGTCTTTTTGCCCGAGGGC
hsZMYM3-NLS-ZF8 Rev	GCGGCCGCTATACCTTACGTTTCTTCTTAGGAGTGATACAGCACAAGCCCA G
hsZMYM3-NLS-ZF9 Rev	GCGGCCGCTATACCTTACGTTTCTTCTTAGGCCGGGCAGCCTTGCAGTAC
hsZMYM3-NLS- ZF10Rev	GCGGCCGCTATACCTTACGTTTCTTCTTAGGTTGGTTCTGCTGGCTATAGAA AC

hsZMYM3-FLAG-ZF1 Fwd	GACTTAAGCCACCATGGACTACAAGGACGATGACGACAAGGCAGTGGGCA CCAAGATGAC
hsZMYM3-FLAG-ZF8 Fwd	GACTTAAGCCACCATGGACTACAAGGACGATGACGACAAGTGTGAGGACTT CAAGCGGCTTC
hsZMYM3-FLAG-ZF9 Fwd	GACTTAAGCCACCATGGACTACAAGGACGATGACGACAAGGTGCTGCTGTA CAAACAGGAC
ΔZF89 Fwd	CTTCGGGGTGTGGTGTCCCAGAAGAGCAAGTACCTGCTGTGG
ΔZF89 Rev	CCACAGCAGGTACTIONGCTCTTCTGGGACACCACACCCCGAAG
5' HA Fwd	GCGATCGCGTTGCTGTCTGCAGTTCTAGG
5' HA Rev	TGTACAGAATGGGAAAACCTTGAGTGCCTG
3' HA Fwd	GCGGCCGCTCCCGTGTTTACTGATTCTTAG
3' HA Rev	GTTTAAACAGACCCCATGTCAAGAAGGC
Ex3 Fwd	TGTACATGATCAGTTTGGAGTAAATTGTTT
Ex3 Rev	GCGGCCGCATAACTTCGTATAATGTATGCTATACGAAGTTATTCTGACAGCA CCCCCCAAC
5' Probe Fwd	CTCCTACAGGAGGATTCAGTG
5' Probe Rev	GAGGAGGGGGCTCGCGAG
3' Probe Fwd	TGGCCCAGAAAGTCTTGTGTC
3' Probe Rev	CAGGATCAGCTGATGAGAGAG
ZESC2	AGCTGACACTAGTGGCAGGC
ZESC3	CTTGCTCCTTTTAAGTGGTTAC
ZESC4	TGCCAGTTTTCCAGATTAAGGC
ZESC5	TTCCCACAACGGGTTCTTC