

Supplementary Table 1: Primers used in this study

Primer	Sequence (5'-3')
vecMSH2 5'	ATCGAATTCCTGCAGCCCGGGGATCCACCTCAACAGCTACACATTC
MSH2luc 3'	GGCGTCTCCATGGTACCCTTGTCATACTTTTAATCTGAGGATTTTGATGTTAGG
MSH2luc 5'	CCTAACATCAAAATCCTCAGATTAAGATGACAAGGGTACCATGGAAGACGCC
vecLuc 3'	GTGGCGGCCGCTCTAGAAGTAGTGGATCCTTACAATTTGGACTTTCCGCC
vecADH 5'	ATCGAATTCCTGCAGCCCGGGGATCCGTATACTAGAAGAATGAGCCAAGACTTGCG
ADHluc 5'	GCTATACCAAGCATACAATCAACTATCTCATATAACAATGACAAGGGTACCATGGAAGACGCC
ADHluc 3'	GGCGTCTCCATGGTACCCTTGTCATTGTATATGAGATAGTTGATTGTATGCTTGGTATAGC
vecLuc 5'	ATCGAATTCCTGCAGCCCGGGGATCCATGACAAGGGTACCATGGAAGACGCC
MSH2-5'REV	TTAGCTCTGGCCTAGTGGAGG
ΔMCB	CATATATGAAAAATAGAAAGAAAGACCACTTGTCATTTTTTTTTTTAGTCGTGTATAATATACTGAAAA
MSH2AflII	GCTGACCTAACATCAAAATCCTCAGCTTAAGAGTATGTCCTCCACTAGGCC
MSH2-UP-ATG	GGCTCTTTAATTGTTGACTCTAC
MSH2-UP-TAA	CTGCTGACCGGACATCAAAATCTTCAG
DEL3 5'	ATCGAATTCCTGCAGCCCGGGGATCCAAAACGCGAAAACCTTGTCAT
DEL4 5'	ATCGAATTCCTGCAGCCCGGGGATCCATAATATACTGAAAATAAAAAAGAGGC
vecMSH2Afl 5'	GGGCGAATTGGGTACCGGGCCCCCTCGAGGTCGACGGACCTCAACAGCTACACATTC
MSH2P _{MSH2} 3'	GGCCTAGTGGAGGACATACTCTTAAGCTGAGGATTTTGATGTTAGGTCAGC
swi6 5'	CGCTGTAGCGACAACCCTTGACGCG
swi6 3'	GGACGCCCGCGCAAACCATGGACG
mbp1 5'	GAGGCAATACTACGCTGTGAGACG
mbp1 3'	GGACGAAATCTACATCAACGGTGG
swi4 5'	GCCATCCTTTAGCATTTGGTTTAGC
swi4 3'	CGACCTCATCTCATCGCGTTTTCC
kan 5'	TATGGAAGTGCCTCGGTGAG
kan 3'	TCGATAGATTGTGCGACCTG
MSH2TAG5	ACCAGAAAAGGAAAACGATAATTACCTGAAATATATAAAAGCCTTGTTGTTACGGATCCCCGGGTTAATTAA
MSH2TAG3	TTTGTATCTATATATTATCTATCGATTCTCACTTAAGATGTCGTTGTAATATCATCGATGAATTCGAGCTCG
5341(-)	TTCTTTCCGAATCCATGC
5200(+)	TACATTAACGTACACACC
6260(-)	CTTTCTGGTTCATTTGC
MSH2-12 (+)	TTGAAGGCTTTACTGAAA
vecMSH2utr3'	GCGGTGGCGGCCGCTCTAGAAGTAGTGGATCCCTGTACCTTGCTACAAAGATTGTA
vecSPO	GGGCCCCCTCGAGGTCGACGGTATCGATGAGAGGCCCTGGGAGAAAAC
MSH2up	TCACTTGATGGAGTGCGGAACCTTGCTTTGGC
MSH2dwn	ATGTCCTCCACTAGGCCAGAGCTAAAATTCTC
vecMSH2	GTGGATCCCCGGGCTGCAGGAATTCGATATCATATCGTCTTGCAATTCAG
PRSF1up	GCCAAAGACAAGTTCGCACTCCATCAAGTGAATTGTTTTCCGGTCTAACTACACGC
PRSF1dwn	GAGAATTTAGCTCTGGCCTAGTGGAGGACATAACTGCTTGTAGTTCTATCTCCTTG
PROM2up	GCCAAAGACAAGTTCGCACTCCATCAAGTGAATTATAATACTGGGAGTGGAGAGACTGA
PROM2dwn	GAGAATTTAGCTCTGGCCTAGTGGAGGACATAACCGCAGGAAAAGAGATGAATTGTCCAAT