

Table S1 Primers used in this study

Primers	Sequence (5' to 3')
sapt-SF	CCCCGGATCCTGAACAGAAGGTGGATGAAGACAGT
sapt-SR	CTACAAAAGTGTCCATTCTTGATAATCCATTATGTATCCC
sapt-XF	ATGGATTATCAAGAATGGACACTTTTGTAGAAAATCGTCCT
sapt-XR	CCCCGTCGACTCTATGCGGCAAAAGAATTTATCAC
sapt-SS	GTATTCGGCGATGAAGCATAACAACC
sapt-XX	GATTGATACGCCTTACACACACGGA
sacA-SF	CCCCGGATCCGCGGGACTGGCTGTATTTTCCTGACG
sacA -SR	CTACAAAAGTGTCCAGCCGTTCCGATCATTTAAAAGCCCG
sacA -XF	AATGATCCGAACGGCTGGACACTTTTGTAGAAAATCGT
sacA -XR	CCCCGTCGACTCTATGCGGCAAAAGAATTTATCAC
sacA -SS	TCGCTGATTTGGGCAGAACTATATCC
sacA -XX	GATTGATACGCCTTACACACACGGA
S6P-SF	CCCCGGATCCTCAGCTTTTTTTTCCAAATGTCTTTTAAC
S6P-SR	ATCGCGGAGACTGGTTGACATTGCGTGATGATCATAAACTTT
S6P-XF	CATCACGCAATGTCAACCAGTCTCCGCGATGCTTCCACAC
S6P-XR	CCCCGTCGACATGGATAGAATTCAGCAGGCGGAAGA
S6P-SS	TGCAGCATAATCCCGCATCATATAA
S6P-XX	CGCGTGCAGCATTTACAAAAAATC
CBS-SF	CCCCACTAGTTCCTTG TAGAGCTCAGCATTATTGAGTG
CBS-SR	TTGACATCTCCTTCTTTACATGTCTTCGCTATCTGCTGATA
CBS-XF	AGCGAAGACATGTAAAGAAGGAGATGTCAAAAATCAATGAAA
CBS-XR	CCCCACTAGTTTAGTGGTGGTGGTGGTGGTGTGCTACGACAGGCGGGT TGGCAATC
CBG-SF	CCCCACTAGTTCCTTG TAGAGCTCAGCATTATTGAGTG
CBG-SR	TATGTATCTCCTTTCTTTACATGTCTTCGCTATCTGCTGAT
CBG-XF	TAGCGAAGACATGTAAAGAAAGGAGATACATACAATGCCTAT
CBG-XR	CCCCACTAGTTTAGTGGTGGTGGTGGTGGTGTTCAAAGGAAATTGTCT

	GGTCGTTT
CES-SF	CCCCACTAGTTCCTTG TAGAGCTCAGCATTATTGAGTG
CES-SR	TTTGACATCTCCTTCTTTAGATAGCGCTAGGTACCGGCGTT
CES-XF	ACCTAGCGCTATCTAAAGAAGGAGATGTCAAAAATCAATGA
CES-XR	CCCCACTAGTTTAGTG GTGGTGGTGGTGGTGGTGCTACGACAGGCGGGT
	TGGCAATC
CEG-SF	CCCCACTAGTTCCTTG TAGAGCTCAGCATTATTGAGTG
CEG-SR	ATGTATCTCCTTCTTTAGATAGCGCTAGGTACCGGCGTTT
CEG-XF	CCTAGCGCTATCTAAAGAAAGGAGATACATACAATGCCTATTAT
CEG-XR	CCCCACTAGTTTAGTG GTGGTGGTGGTGGTGTTCAAAGGAAATTGTCT
	GGTCGTTT
