

Table S1. Primers used in the experiment

Primers	Sequence (5'-3')	Description
<i>FPS-pET28a-F</i>	TGGGTCGCGGATCCGAATTCAGTGATCTGAAGTCGAGATT	Prokaryotic expression for <i>FPS</i>
<i>FPS-pET28a-R</i>	TCGAGTGC GGCCGCAAGCTTGTTACTTCTGTCTCTTGTATATCTTAGC	Prokaryotic expression for <i>FPS</i>
<i>FPS-pBI121-F</i>	AGAACACGGGGGACTCTAGACAGTGATCTGAAGTCGAGATT	Transient expression for <i>FPS</i>
<i>FPS-pBI121-R</i>	GACTGACCACCCGGGGATCCTTACTTCTGTCTCTTGTATATCTTAGC	Transient expression for <i>FPS</i>
<i>DXS-pET28a-F</i>	TGGGTCGCGGATCCGAATTCGCTCTCTCTGCATTCTCATTTC AAC	Prokaryotic expression for <i>DXS</i>
<i>DXS-pET28a-R</i>	TCGAGTGC GGCCGCAAGCTTGTTAGTTTTTGAATGACATTATCTCGAGAGCC	Prokaryotic expression for <i>DXS</i>
<i>DXS-pBI121-F</i>	AGAACACGGGGGACTCTAGACGCTCTCTCTGCATTCTCA	Transient expression for <i>DXS</i>
<i>DXS-pBI121-R</i>	GACTGACCACCCGGGGATCC TTAGTTTTTGAATGACATTATCTCG	Transient expression for <i>DXS</i>
<i>DXS-F</i>	TCAATCTCAAAGACCACCAACACCTC	RT-qPCR of <i>DXS</i>
<i>DXS-R</i>	GACATCCGACCGCAACTCATCTG	RT-qPCR of <i>DXS</i>
<i>FPS-F</i>	GCCACTTCATCGTCGCATTGTTC	RT-qPCR of <i>FPS</i>
<i>FPS-R</i>	TGTCAAGATTCTCGCCTGCCATAAG	RT-qPCR of <i>FPS</i>
<i>UBQ-F</i>	TCGAAGATGGCCGTACATTG	RT-qPCR of <i>UBQ</i>
<i>UBQ-R</i>	TCCTCTAAGCCTCAGCACCA	RT-qPCR of <i>UBQ</i>
<i>UBA-F</i>	GACTTAGGGGAGGGATTATTGAG	RT-qPCR of <i>UBA</i>
<i>UBA-R</i>	TTCTTCTTCCGACAGTTTACAGC	RT-qPCR of <i>UBA</i>