

**Table S5.** Oligos used in this study.

Number	Description	Sequence (5' - 3')
<i>ZCF8</i> deletion using pSFS2a		
JCP_2162	KpnI upstream <i>ZCF8</i> F	AGACTTGGTACCCGTGGCTGTATTGATGGATTGT
JCP_2163	XhoI upstream <i>ZCF8</i> R	AGATTACTCGAGAGAAGTTTGTGGCTGTTGGA
JCP_2164	NotI downstream <i>ZCF8</i> F	AGACGCGGCCGCTGCAAGATCAAACCCCTTAGTCT
JCP_2165	SacII downstream <i>ZCF8</i> R	AGCTAGCCGCGGACGAGTGTGTGTTGAAAGGT
<i>ZCF8</i> ectopic expression (inserting <i>TDH3</i> promoter upstream <i>ZCF8</i> )		
JCP_1563	pCJN542 F	TTTCTTATATATATATTTTCTATTTAATTTAT ACTGGAATACATCAAGATTGATTGGAGATTGAATT GGCATCAAGCTTGCCTCGTCCCC
JCP_1478	pCJN542 R	GAATAATTCCTTCACCTTTAGACATATTTGAATTC AATGTGATG
JCP_1479	pAJ2181 YFP F	ATGTCTAAAGGTGAAGAATTATTC
JCP_1564	pAJ2181 YFP R	GGGTAGCACTCGATGAAGGTGAAGATGGTGAAGGCGAAG GTGATTCAGTATTAGATAGATTACTTTCCATATTTG AATCAATTGTGATG
Substitution of <i>ZCF8</i> by <i>YFP</i> and <i>ZCF8</i> deletion		
JCP_1913	pAJ2182 YFP F	TATTTACTTTTCAATTCTTCCTTCTTTTCCCTGTCA AACTACATTCAACCTTAATTTTCATTTCAA ATATGTCTAAAGGTGAATTATTC
JCP_1387	pAJ2182 YFP R	CAAAACCAGATTTCCAGATTTCCAGTTATTTGTACAATTCATCCATACC
JCP_1388	pMBL179 SAT1 F	CTGGAAATCTGGAAATCTGGTTTTG
JCP_1914	pMBL179 SAT1 R	AATGATATTAACACTATTTCTATCTATCTATATATA TATCAATACAATTACCCATATGTTTCCCAAATTA GGCGTCATCCTGTGCTCCCC
JCP_2172	<i>ZCF8</i> del F	CGTGGCTGTATTGATGGATTGT
JCP_2175	<i>ZCF8</i> del R	ACGAGTGTGTGTTGAAAGGT
C-terminal tagging of <i>ZCF8</i> with 13xMyc		
JCP_1569	pADH34 13xMyc F	ATTTAAATTTGATGAAAATGTCGTTAATGAATATTT CAAACATGTGTGTAACCAAATATCTTTGAACG GATCCCCGGGTTAATTAACGG
JCP_1570	pADH34 13xMyc R	TGATATTAACACTATTTCTATCTATCTATATATATATCAA TACAAATTTACCCATATGTTTCCCAAAGCGGCCG CTCTAGAAGTGTGATC
Tagging <i>CI_13130C</i> and <i>DAL52</i> with mNeonGreen		
JCP_2981	<i>C1_13130C</i> KpnI F	ATATGGTACCCTATTGGTGGAGATTATGGAG
JCP_2982	<i>C1_13130C</i> mNG R	CCTTTAGAAACCATACCCTACCACCGCACCAGAAATTGACAAATC
JCP_2983	<i>CI_13130C</i> pRB895 mNG F	GATTTGTCAATTTCTGGTGCGGTGGTAGTGGTATGGTTTCTAAAGG
JCP_2980	pRB895 mNG XhoI R	ATTACTCGAGCTATTTATACAATTCATCCATACC
JCP_2984	<i>CI_13130C</i> NotI F	TAATGCGGCGCCATGATAAGAAATTTGTACG
JCP_2985	<i>CI_13130C</i> SacII R	TTATCCGCGGGTGTGTCTCTTTGTTCTG
JCP_2986	<i>DAL52</i> KpnI F	TATAGGTACCTGTTTCTTCAAATGTTGC
JCP_2987	<i>DAL52</i> mNG R	CCTTTAGAAACCATACCCTACCACCGAGACTATATCTA AAATCAAATTTTC
JCP_2988	<i>DAL52</i> pRB895 mNG F	GAAAATTTGAATTTTAGATATAGTCTCGGTGGTAGTGGTAT GGTTCTAAAGG
JCP_2989	<i>DAL52</i> NotI F	ATATGCGGCCGATGAGATGATGAGTTATGTTG

JCP\_2990

*DAL52* SacII R

TTTACCGCGGTGGATACAGATATTGATTCC

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Inserting *ZCF8* DNA binding domain sequence into pLIC-H3

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JCP\_2024

*Sma*I *ZCF8* DBD F

AGCAGCCCCGGGACAACAAAACCTAAACGTCAAAG

JCP\_2026

*Xho*I *ZCF8* DBD R

GTGGTGCTCGAGTTACTTTTCATAATCTTCGAAGTAG

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