

<b>Activator-reporter strains</b>		
name	genotype	description
CAy058	LEU2::Z0267, URA3::Z0637	pGAL1, Zif268-HIV DBD, VP64, mCherryx2, SV40 NLS; Zif268-HIV bs x 3, mCYC1, YFPx2
CAy059	LEU2::Z0276, URA3::Z0639	pGAL1, mCherryx2, ERG2 DBD, VP64, SV40 NLS; ERG2 bs x 2, mCYC1, YFPx2
CAy060	LEU2::Z0278, URA3::Z0641	pGAL1, mCherryx2, YY1 DBD, VP64, SV40 NLS; YY1 bs x 3, mCYC1, YFPx2
CAy086	LEU2::Z0277, URA3::Z0739	pGAL1, mCherryx2, Gli1 DBD, VP64, SV40 NLS; Gli1 bs x 5, mCYC1, YFPx2
DDy03	LEU2::Z0279, URA3::Z0862	pGAL1, mCherryx2, LexA DBD, VP64, SV40 NLS; LexA op x 8, mCYC1, YFPx2
<b>Positive reporter only strains</b>		
name	genotype	description
CAy061	URA3::Z0637	Zif268-HIV bs x 3, mCYC1, YFPx2
CAy063	URA3::Z0639	ERG2 bs x 2, mCYC1, YFPx2
CAy065	URA3::Z0641	YY1 bs x 3, mCYC1, YFPx2
CAy064	URA3::Z0739	Gli1 bs x 5, mCYC1, YFPx2
DDy05	URA3::Z0862	LexA op x 8, mCYC1, YFPx2
DDy06	URA3::Z0861	LexA op x 2, mCYC1, YFPx2
<b>Memory device strains</b>		
name	genotype	description
DDy01	LEU2::Z0279, URA3::Z0866	pGAL1, mCherryx2, LexA DBD, VP64, SV40 NLS; LexA op x 8, mCYC1, YFPx2, LexA DBD, VP64, SV40 NLS
DLL	LEU2::Z0279, TRP1::Z0866, URA3::Z0866	pGAL1, mCherryx2, LexA DBD, VP64, SV40 NLS; [LexA op x 8, mCYC1, YFPx2, LexA DBD, VP64, SV40 NLS] x 2
DZL	LEU2::Z0279, URA3::Z0815	pGAL1, Zif268-HIV DBD, mCherryx2, VP64, SV40 NLS; Zif268-HIV bs x 3, mCYC1, Zif268-HIV DBD, YFPx2, VP64, SV40 NLS

**Supplementary Table S2.** Strains used in this study.