

**Supplementary File 2. DNA plasmids used in this study.**

<b>ID</b>	<b>Complementation</b>	<b>Backbone</b>	<b>Selection Marker</b>	<b>Cloning Method</b>
DC001	<i>BRUSH<sub>pro</sub>:BRUSH<sub>genomic</sub></i>	pK7RWG2 (-35S)	<i>Kanamycin</i>	Gateway + Digest
DC002	<i>UBQ<sub>pro</sub>:BRUSH<sub>genomic</sub></i>	pUB-GW-GFP	<i>35S:GFP</i>	Gateway
DC003	<i>UBQ<sub>pro</sub>:brush<sub>genomic</sub></i>	pUB-GW-GFP	<i>35S:GFP</i>	Gateway
DC004	<i>UBQ<sub>pro</sub>:CNGC.IVA3<sub>CDS</sub></i>	pUB-GW-GFP	<i>35S:GFP</i>	Gateway
DC005	<i>UBQ<sub>pro</sub>:CNGC.IVA4<sub>CDS</sub></i>	pUB-GW-GFP	<i>35S:GFP</i>	Gateway
DC006	<i>UBQ<sub>pro</sub>:CNGC.IVA5<sub>CDS</sub></i>	pUB-GW-GFP	<i>35S:GFP</i>	Gateway
DC007	<i>UBQ<sub>pro</sub>:AtCNGC19<sub>CDS</sub></i>	pUB-GW-GFP	<i>35S:GFP</i>	Gateway
DC008	<i>UBQ<sub>pro</sub>:AtCNGC20<sub>CDS</sub></i>	pUB-GW-GFP	<i>35S:GFP</i>	Gateway
	<b>RNAi</b>	<b>Backbone</b>	<b>Selection Marker</b>	<b>Cloning</b>
GC287	<i>UBQ<sub>pro</sub>:BRUSH 5'RNAi</i>	BB53 LIIIβ A-B	<i>UBQ10:NLS-2xYFP</i>	Golden Gate
GC288	<i>UBQ<sub>pro</sub>:BRUSH 3'RNAi</i>	BB53 LIIIβ A-B	<i>UBQ10:NLS-2xYFP</i>	Golden Gate
	<b>Promoter:GUS</b>	<b>Backbone</b>	<b>Selection Marker</b>	<b>Cloning</b>
GC219	<i>BRUSH<sub>pro</sub>:GUS</i>	BB53 LIIIβ A-B	<i>UBQ10:GFP</i>	Golden Gate
GC320	<i>CNGC.IVA3<sub>pro</sub>:GUS</i>	BB53 LIIIβ A-B	<i>UBQ10:NLS-2xYFP</i>	Golden Gate
GC321	<i>CNGC.IVA4<sub>pro</sub>:GUS</i>	BB53 LIIIβ A-B	<i>UBQ10:NLS-2xYFP</i>	Golden Gate
GC322	<i>CNGC.IVA5<sub>pro</sub>:GUS</i>	BB53 LIIIβ A-B	<i>UBQ10:NLS-2xYFP</i>	Golden Gate
	<b><i>Xenopus laevis</i></b>	<b>Backbone</b>	<b>Selection Marker</b>	<b>Cloning</b>
GC188	<i>T7<sub>pro</sub>: brush</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GC189	<i>T7<sub>pro</sub>: BRUSH</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GC190	<i>T7<sub>pro</sub>: brush -YFP</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GC191	<i>T7<sub>pro</sub>: BRUSH -YFP</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GS40	<i>T7<sub>pro</sub>: VN-BRUSH</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GC313	<i>T7<sub>pro</sub>: VC-BRUSH</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GC262	<i>T7<sub>pro</sub>: BRUSH -VC</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GS39	<i>T7<sub>pro</sub>: VN-brush</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GS41	<i>T7<sub>pro</sub>: VC- brush</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GC261	<i>T7<sub>pro</sub>: brush -VC</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GC609	<i>T7<sub>pro</sub>: KAT1 -VC</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
GC610	<i>T7<sub>pro</sub>: KAT1 -VN</i>	pSEVA191 1-2	Carbenicillin	Golden Gate
	<b>Yeast Two-Hybrid</b>	<b>Backbone</b>	<b>Selection Marker</b>	<b>Cloning</b>
DC009	BD-BRUSH NT	pGBKT7-GW	Tryptophan	Gateway
DC010	AD-BRUSH NT	pGADT7-GW	Leucine	Gateway
DC011	AD-brush NT	pGADT7-GW	Leucine	Gateway
DC012	AD-CNGC.IVA3 NT	pGADT7-GW	Leucine	Gateway
DC013	AD-CNGC.IVA4 NT	pGADT7-GW	Leucine	Gateway
DC014	AD-CNGC.IVA5 NT	pGADT7-GW	Leucine	Gateway
	<b>Split Ubiquitin</b>	<b>Backbone</b>	<b>Selection Marker</b>	<b>Cloning</b>
DC015	BRUSH-Cub	pMetYC_GW	Leucine	Gateway
DC016	NubWT-BRUSH	pNWTX_GW	Tryptophan	Gateway
DC017	BRUSH-NubWT	pXNWT_GW	Tryptophan	Gateway

DC018	Positive Control	pNubWT-X_Gate	Tryptophan	Gateway
DC019	Negative Control	pNX_Gate32-3HA	Tryptophan	Gateway

