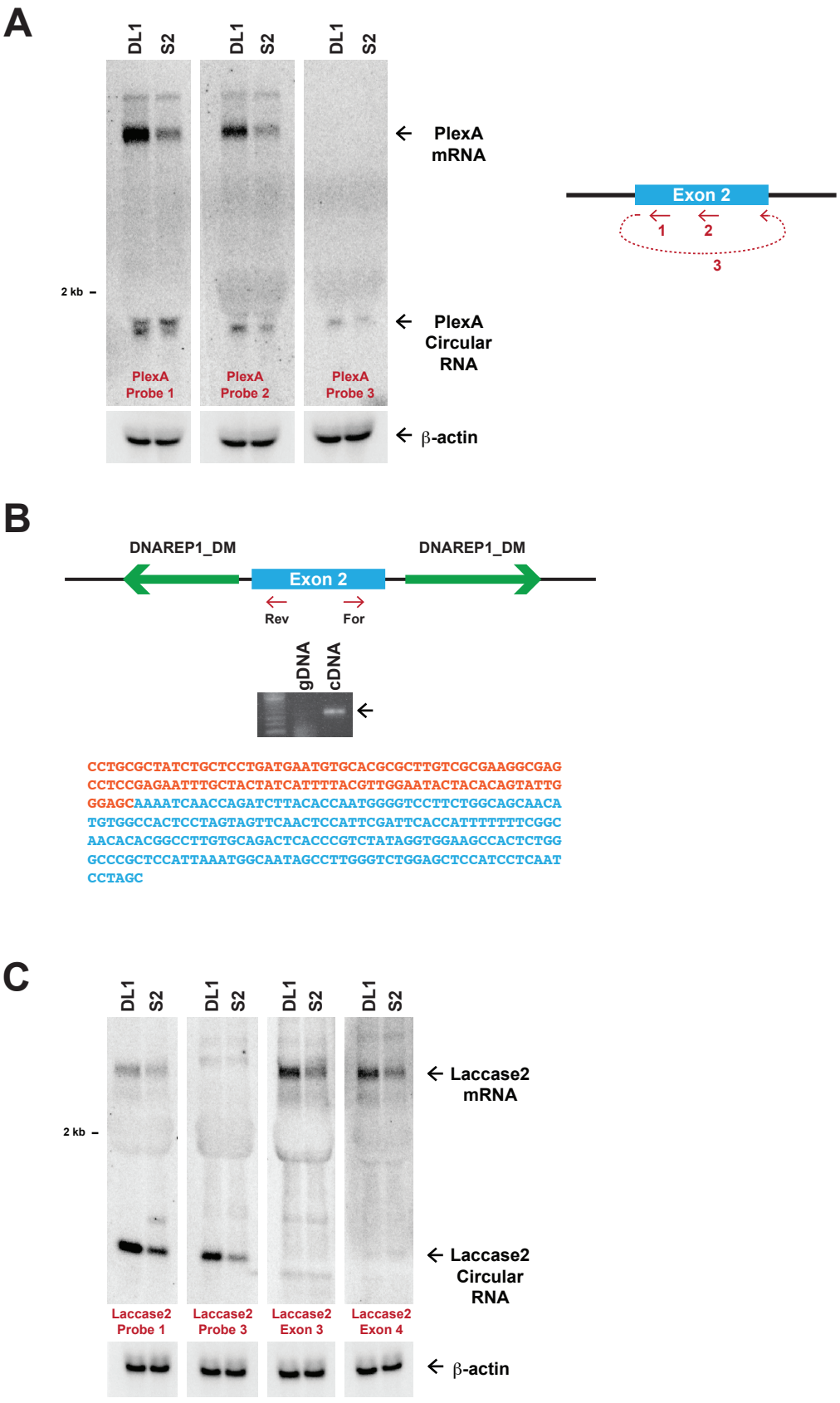
Supplemental Figure 1



Supplemental Figure 2

A

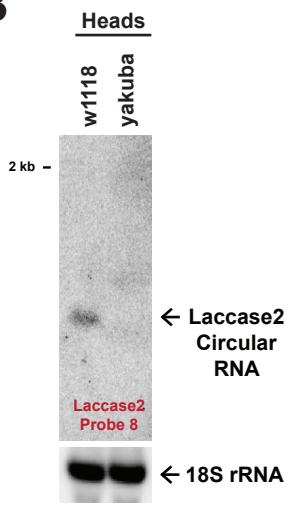
```
Upstream     162   TTTCCCGACTATCTGATACCCATTACTTATCTAGGGGGAATGCGAACCCAAAATTTTATC  221
                   ||*|||*|||||| ||||| | |||||*| |||| | |||||||||| | |||||| ||
Downstream  1700   AAGGGGTTGATAGTCTATGAGCAATGAGTCGATCACACTTACGCTTGCGCTTTAAATTAT  1641

Upstream     222   AGTTT----TCTCGGATATCGATAGATATTGGGGAATAAATTTAAATAAA----------  267
                   | ||     ||  ||||||||||||||||||||||||| | | | |||
Downstream  1640   TAAAGTATTAGCCCCTATAGCTATCTATAACCCCTTATTTTACTCTTTTTTAAACTATTA  1581

Upstream     268   ---TAAATTTTG----------------GGCGGGTTTAGGGCGT--------GGCAAAAA  300
                      | |||  ||                |||||  ||||||||||        | ||||||
Downstream  1580   ACAAGTTATCACACCCGCACTGGTTTAACCGCCGAAATCCCGCAATTGCGCACTGTTTTT  1521

Upstream     301   GTTTTTTGGCAAATCGCTAGAAATTTACAAGACTTATAAAATTATGAAAAAA-TACAACA  359
                   |||||||||||||| | | |||||||||| || | ||| ||||||||||||| | | | |
Downstream  1520   CAAAAAACCGTTTAACTACCTTTAAATGTGCTCATTATGTTAATACTTTTTTAAAGCTTT  1461

Upstream     360   AAATTTTAAACACGTGGGCGTGACAGTTTTGG  391
                   | | ||*||| | |||||||*|| |||||||||
Downstream  1460   TATCAAGTTTTTACACCCGTACCGTCAAAACC  1429


Upstream     419   GGACAGGGTTACATCGACTAGGCT-TTGATCCTGATCAAGAATATATATACTTTA-----  472
                   ||||| ||* | ||||||| |||| |||||||| || ||||||||||||||||||
Downstream  1285   CCTGTACCGCTCTAGCTGAGCCGATAACTAGGAATAATTCTTATATATATGAAATGTACC  1226

Upstream     473   ----TACCGCTTCCTTCTACATGTTACCTATTTTTCAACGAATCTA  514
                       |  ||||  |||| | |||||| || ||||||||||||||
Downstream  1225   AGCCTTTACGAAATAAGAAGGACAATGTATGAAAAGTTGCTTAGAT  1180

Upstream     373   GTGGGCGTGACAGTTTTGGACGGTTTTAGGGCGTTA  408
                   |||||||||||  *  |||| |||*|||||||||||||
Downstream  1569   CACCCGCACTGGTTTAACC-GCCGAAATCCCGCAAT  1535
```

Identity 182/272 (69%)
Gaps 42/272 (15%)

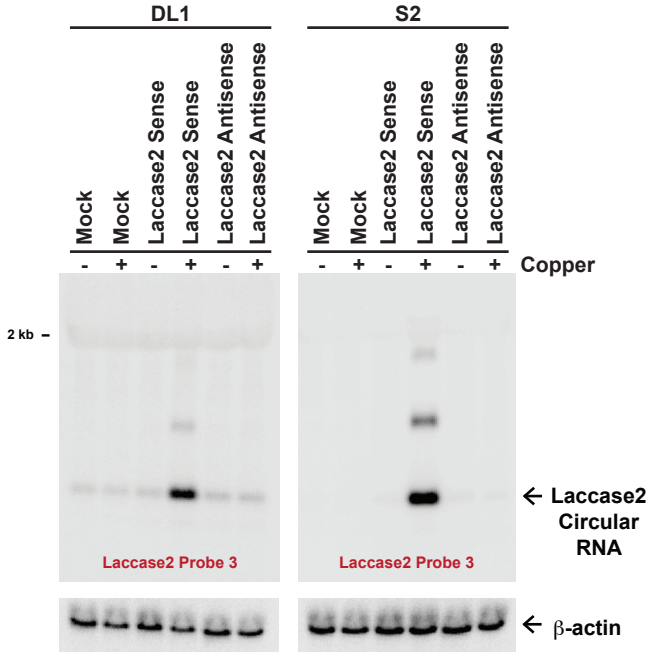
Identity 80/106 (75%)
Gaps 10/106 (9%)

Identity 30/36 (83%)
Gaps 1/36 (2%)

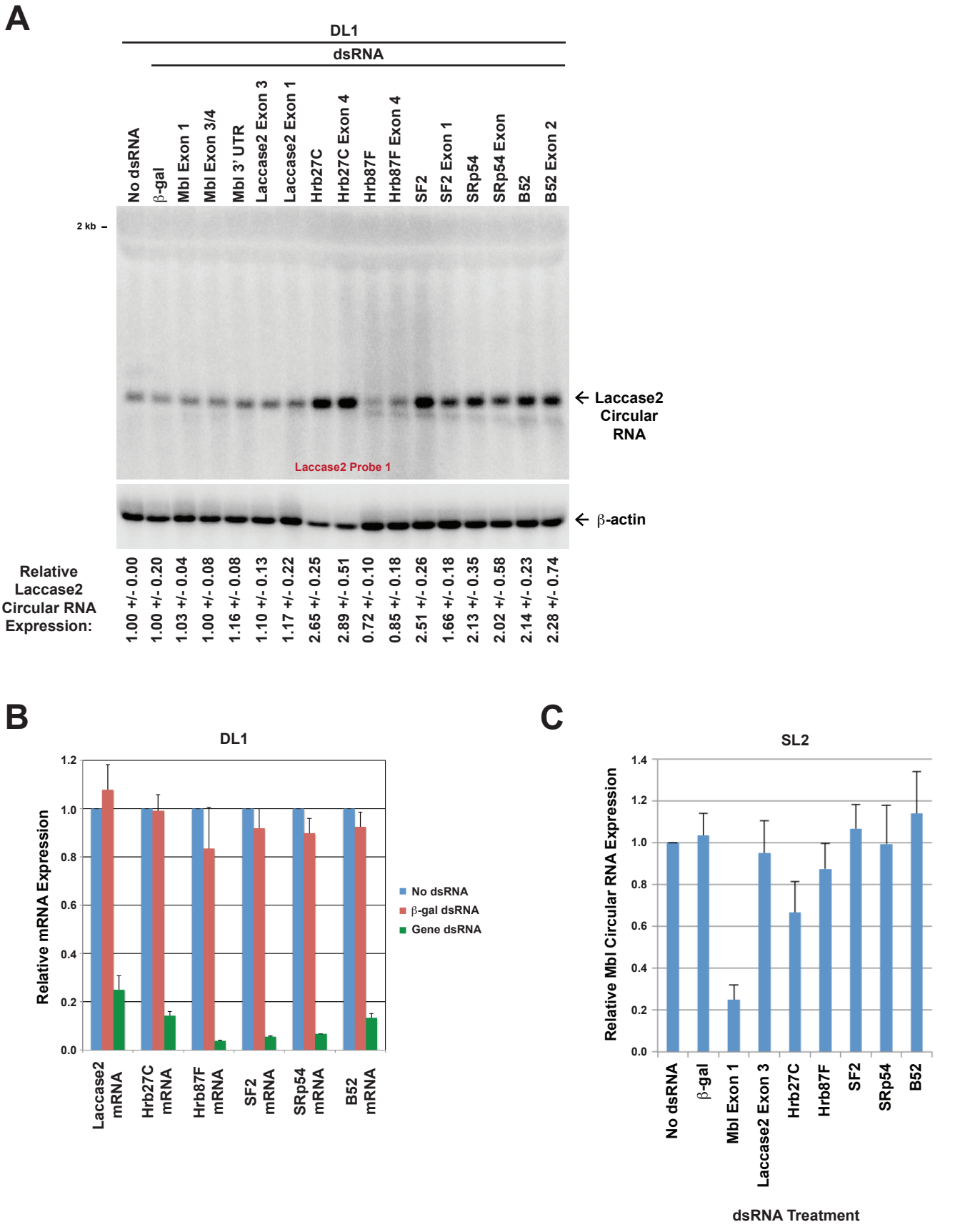
B



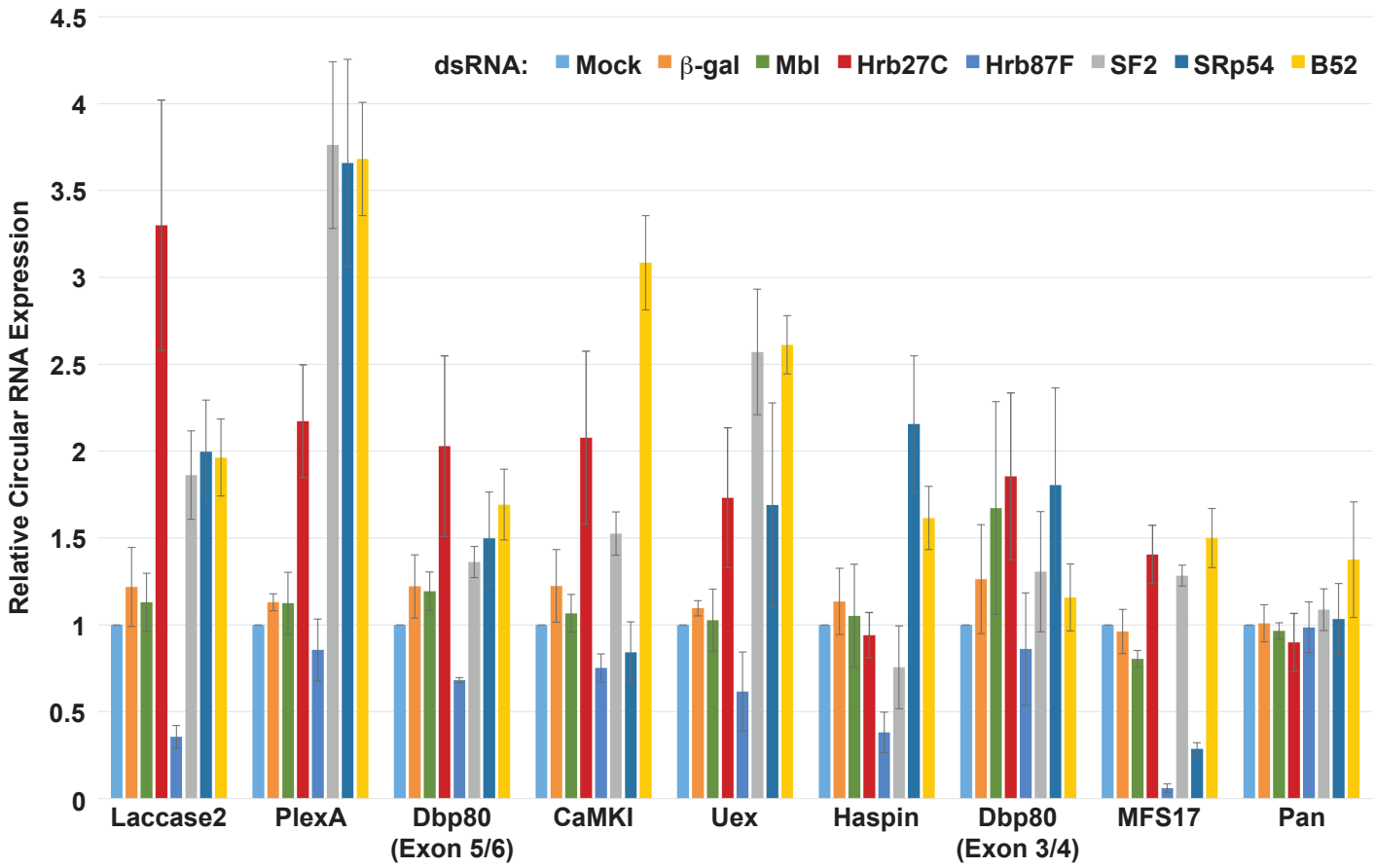
C



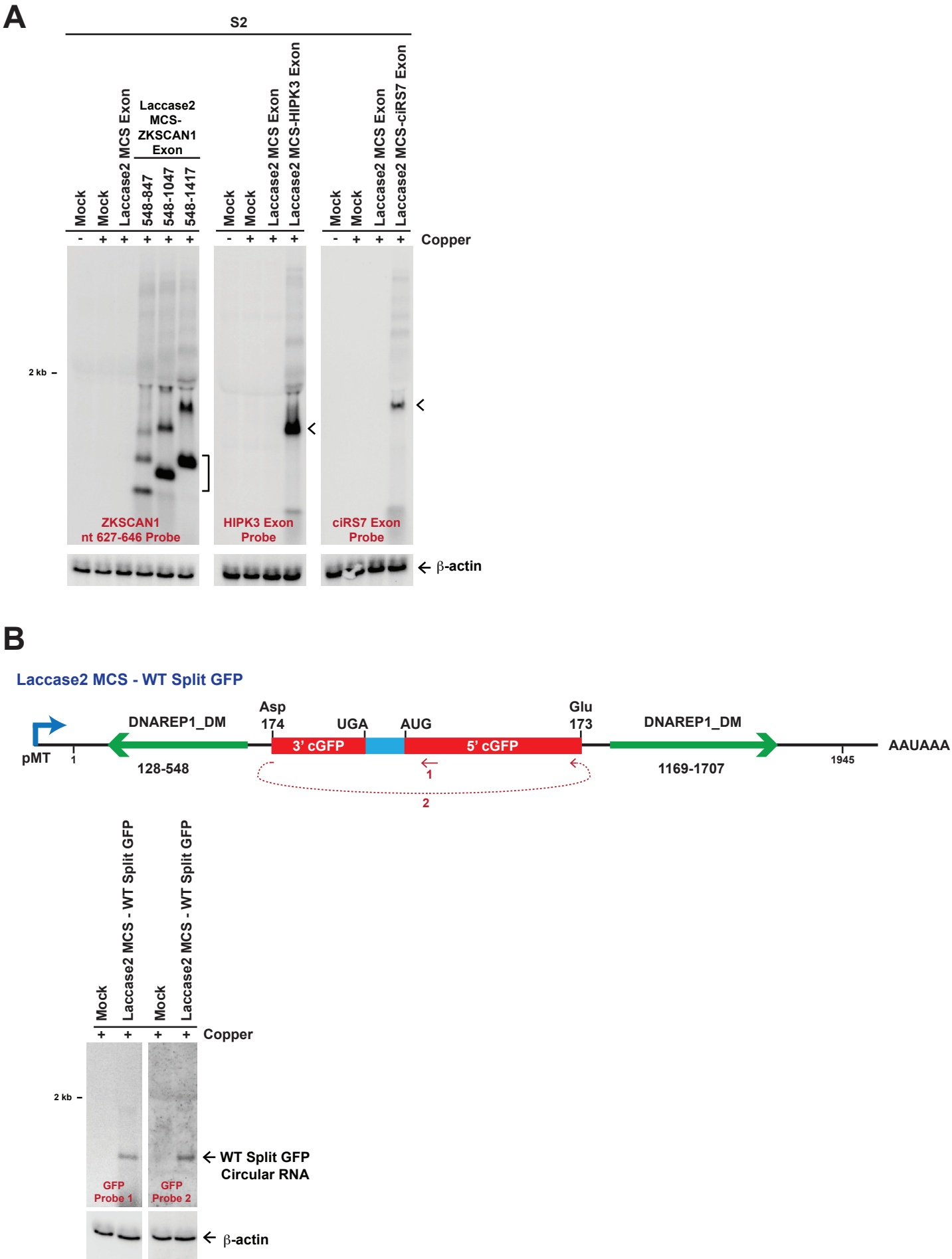
Supplemental Figure 3



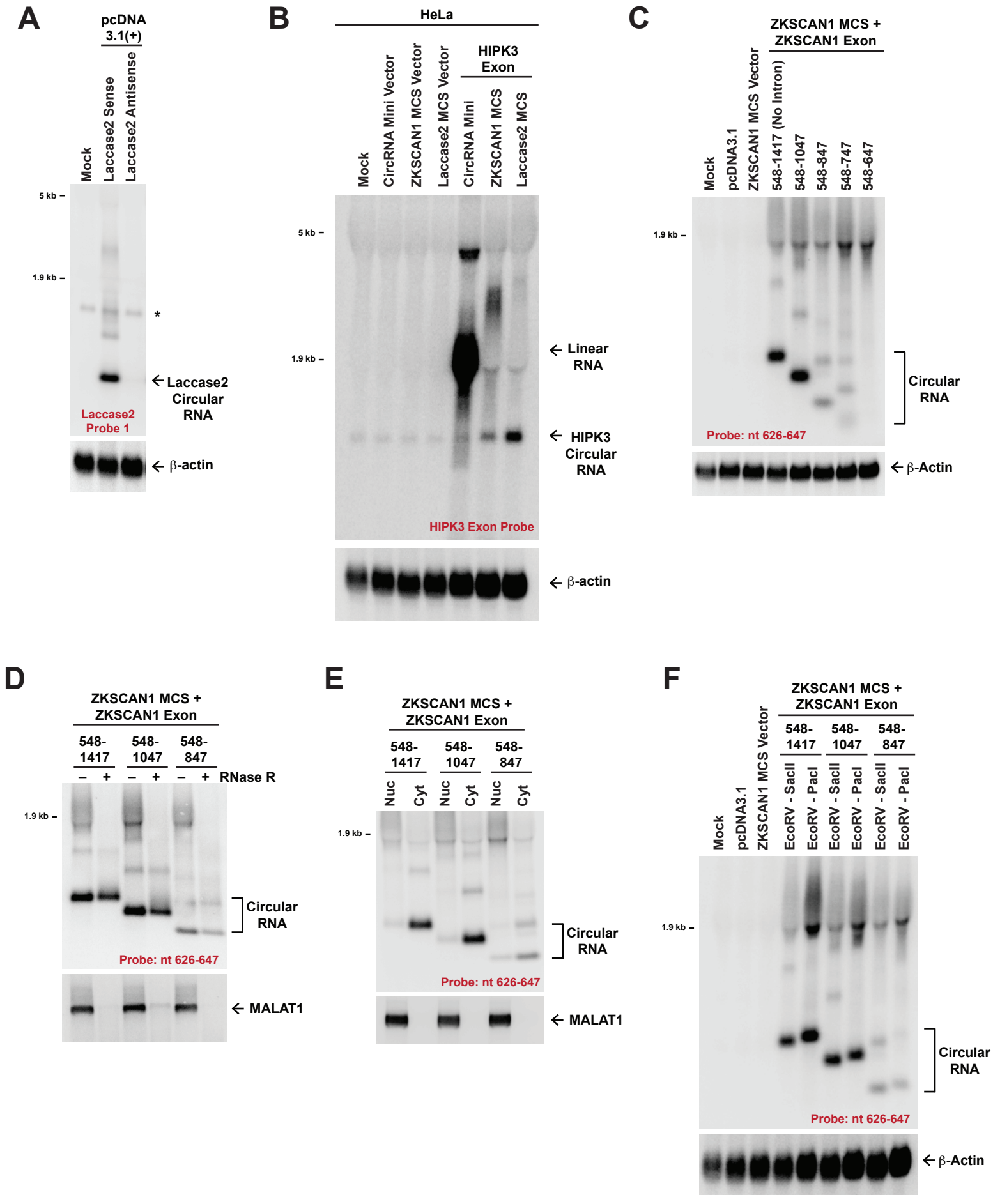
Supplemental Figure 4



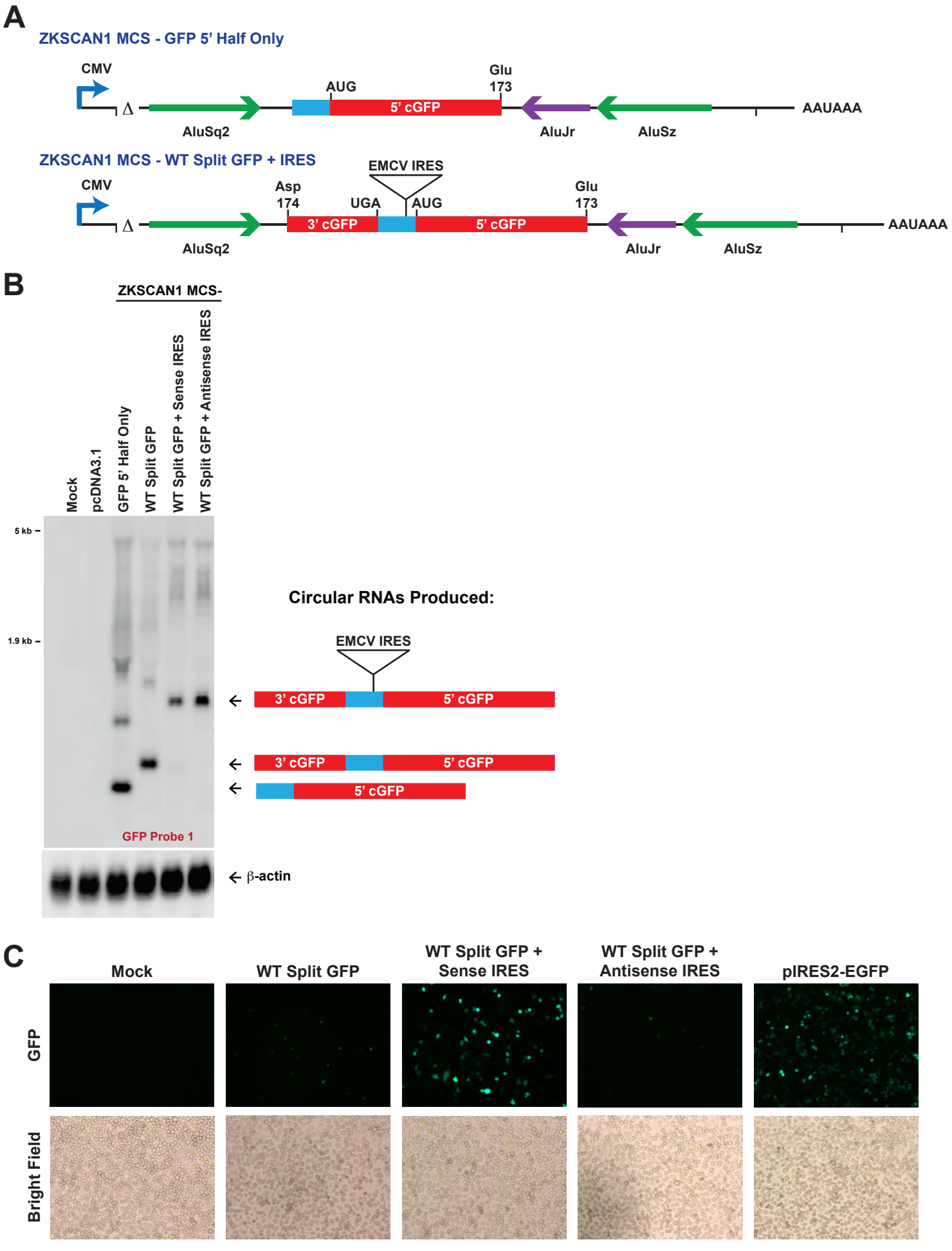
Supplemental Figure 5



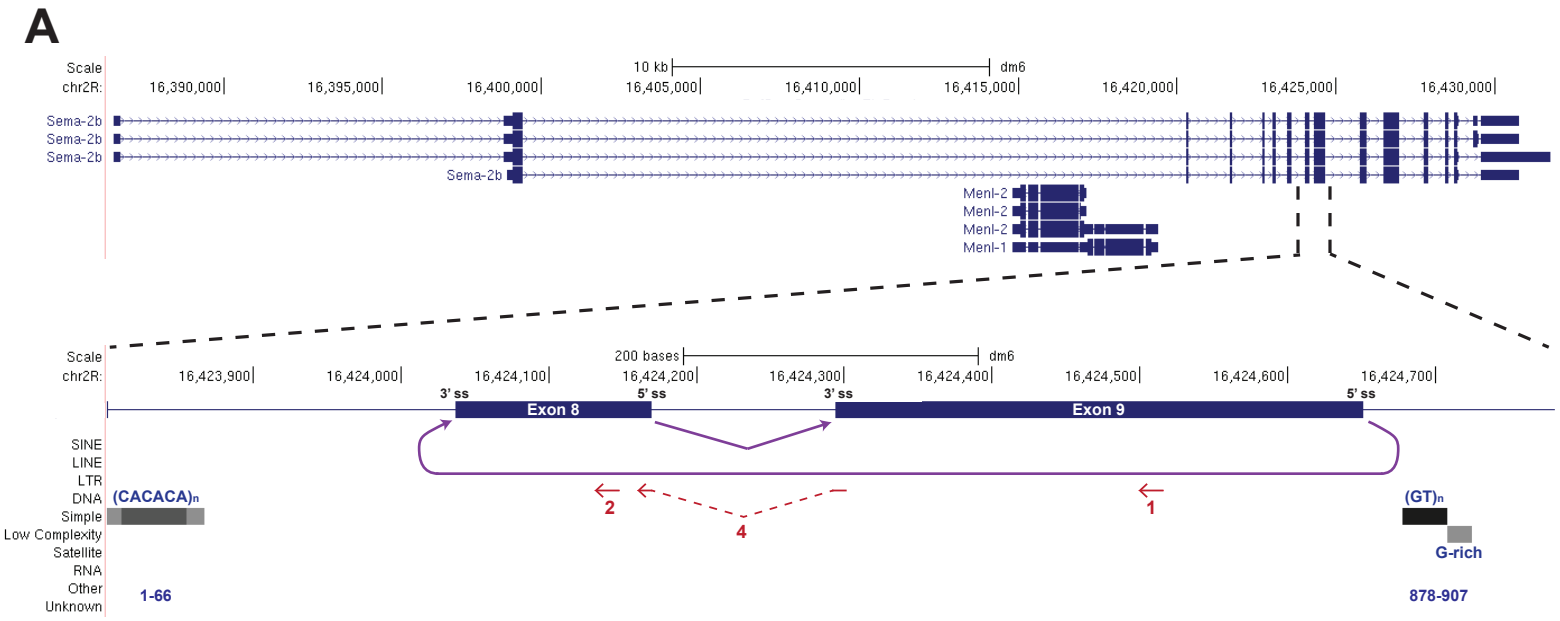
Supplemental Figure 6

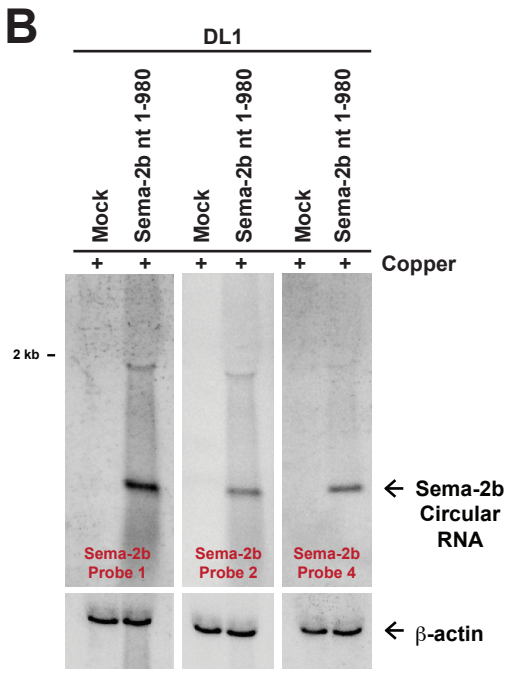


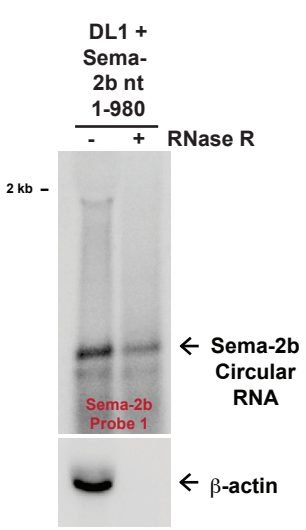
Supplemental Figure 7

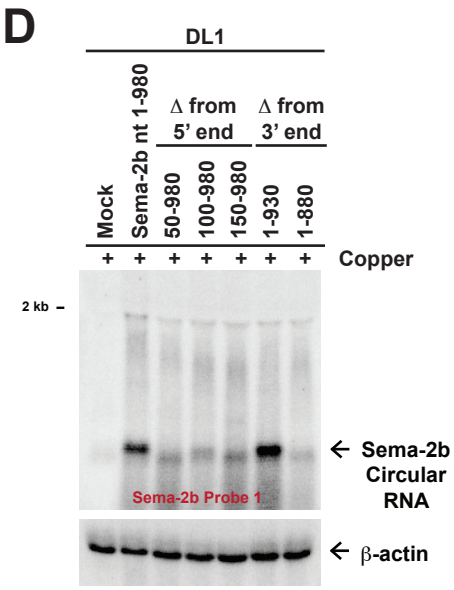


Supplemental Figure 8

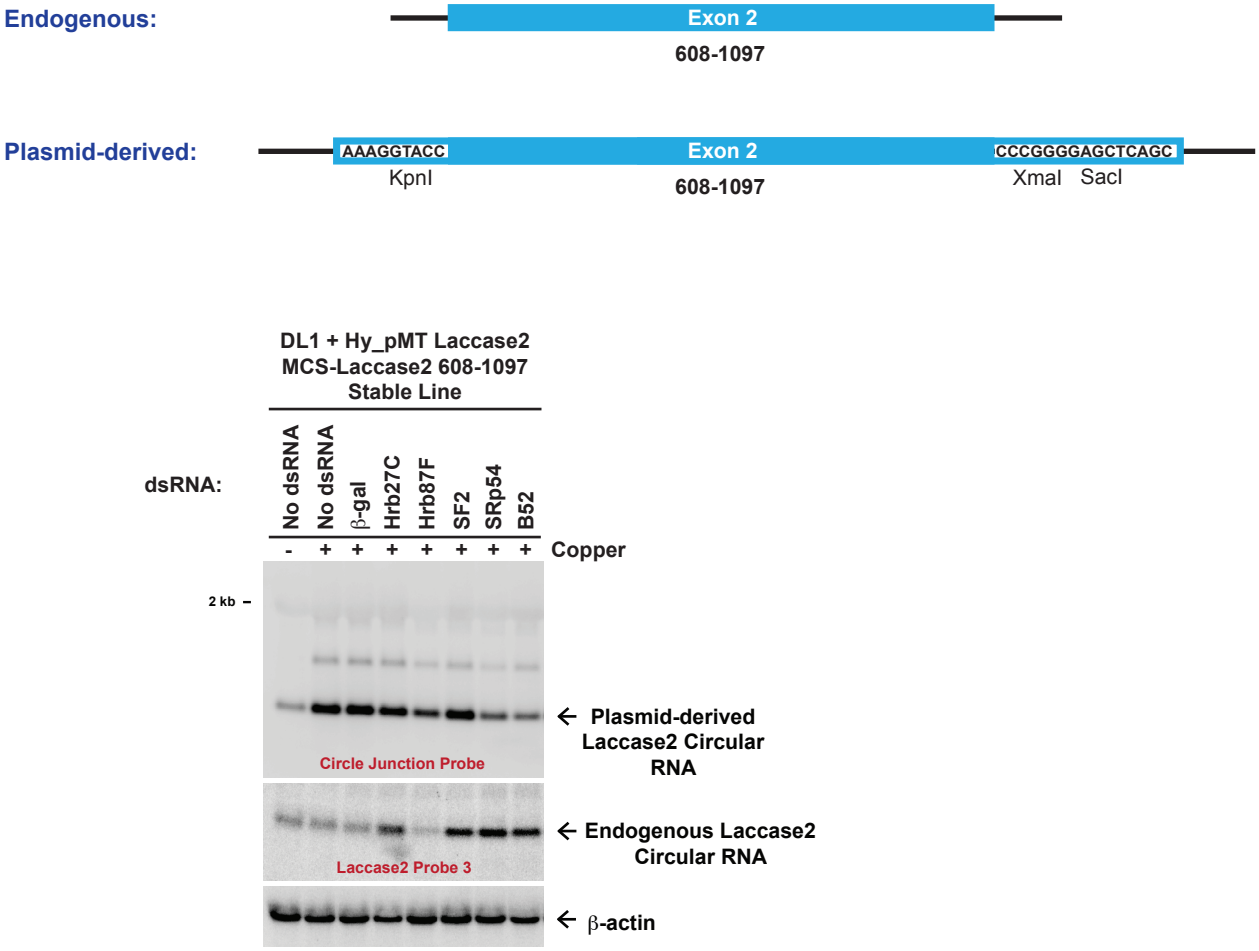








Supplemental Figure 9



Supplemental Table 1

		Figures where plasmid is used		
Northern Probe	**Sequence**	**Main Figures**	**Supplemental Figures**	**Notes**
Laccase2 Probe 1	GCTAGGATTGAGGATGGAGCTCC	1A, 1C, 1D, 1G, 2B, 2C, 2E, 3A, 3B, 3D, 4A, 5B, 5C	1C, 3A, 6A	Complementary to nt 790-812 of full-length Laccase2 Sense insert
Laccase2 Probe 3	TGGTTGATTttGCTCCCAATAC	1B	1C, 2C, 9	Complementary to nt 608-618, 1087-1097 of full-length Laccase2 Sense insert
Laccase2 Probe 4	CCAGAAGGACCCCATTGGTGT	1B		Complementary to nt 625-645 of full-length Laccase2 Sense insert
Laccase2 Probe 8	AGCTCGGCAGTTGCACTAGTAG		2B	Complementary to nt 959-980 of full-length Laccase2 Sense insert
Laccase2 Exon 3	CCATTCCCTCCATATGGTTCTCCAC		1C	
Laccase2 Exon 4	GCAGGATAGCCAGTTGTTGAGC		1C	
Mbl Probe 1	GCTGGAGTTTGTATAGTTATAGCCTAGC	1A, 3A, 3D		
EGFP Probe	CTTGTACAGCTCGTCCATGC	2E, 5B		
β-actin (*Drosophila)*	AGCACAGTGTTGGCGTACAG	1A, 1B, 1C, 1G, 2B, 2C, 2E, 3A, 3B, 3D, 4A, 4B, 5B, 6B, 6C, 6D, 6E, 6F	1A, 1C, 2C, 3A, 5A, 5B, 8B, 8C, 8D, 9	
β-actin (Human)	AGCACTGTGTTGGCGTACAG	5C, 5E, 7C, 7D	6A, 6B, 6C, 6F, 7B	
18S rRNA	ACGCGCCTGCTGCCTTCCTT	1D, 3B	2B	
ZKSCAN1 nt 626-647	AGCAGTCATCATTCAGGCTCCA	5E, 6D, 7C	5A, 6C, 6D, 6E, 6F	
Circle Junction Probe	GGTACCTTT GCTGAGCTCC	6B, 6C, 6D, 6E, 6F	9	Complementary to nt 608-616, 655-664 of Hy_pMT Laccase2 MCS Exon insert
HIPK3 Exon Probe	GTACTAACTGATAGTCACCTTCTCC	6E	5A, 6B	
ciRS7 Exon Probe	TGGAAGATCTGTATTTGATGGAAGACCTT	6F, 7D	5A	
MALAT1	GCTTATTCCCCAATGGAGGT		6D, 6E	
GFP Probe 1	CTCACGCTGAACTTGTGGCCAT		5B, 7B	
GFP Probe 2	GCTGCCATCCTCGATGTTG		5B	
PlexA Probe 1	CTGTCCTCGATGGCAGCCAG		1A	
PlexA Probe 2	GGTCCCGGCGCAATAAATGC	4B	1A	
PlexA Probe 3	ATCATGTAAACcgTTAGAACACA		1A	
Sema-2b Probe 1	TGGCATCTTGTAGACGGATTGTATCTC		8B, 8C, 8D	Complementary to nt 718-744 of Sema-2b nt 1-980 insert
Sema-2b Probe 2	AGCTTGGAGTCGTACTTCACGG		8B	Complementary to nt 340-361 of Sema-2b nt 1-980 insert
Sema-2b Probe 4	AAGTTGGGCTtgtccagca		8B	Complementary to nt 361-369, 494-503 of Sema-2b nt 1-980 insert

dsRNA Target	**Forward Primer**	**Reverse Primer**
β-gal	TAATACGACTCACTATAGGG CTGGCGTAATAGCGAAGAGG	TAATACGACTCACTATAGGG CATTAAAGCGAGTGGCAACA
Mbl Exon 1	TAATACGACTCACTATAGGG AGAGTGTTTGCGTGTGTTCG	TAATACGACTCACTATAGGG GCGGCTGCTGTTTTATTTTCTTG
Laccase2 Exon 3	TAATACGACTCACTATAGGG GTTACTCAGTGCCCCATTCA	TAATACGACTCACTATAGGG CATCAACAGGATGCACAGGC
Hrb27C	TAATACGACTCACTATAGG CTTCGGGGACATCATTGACT	TAATACGACTCACTATAGG GCGGGACTTCTTCTTCTCCT
Hrb87F	TAATACGACTCACTATAGG GATGAAGGATCCCAAGACGA	TAATACGACTCACTATAGG TGCTTGGCAATAGCCTTCTT
SF2	TAATACGACTCACTATAGG CGACGATGCGGTGAAG	TAATACGACTCACTATAGG CGATCGGAAGCGAGAGT
SRp54	TAATACGACTCACTATAGG CGAGTGGCGGCTAGAC	TAATACGACTCACTATAGG CGCTTGCTGCGAGAAC
B52	TAATACGACTCACTATAGG GACCGCAATAACGAGAGCAT	TAATACGACTCACTATAGG CCGGTGTACAAGTCGCAGTA
Mbl Exon 3/4	TAATACGACTCACTATAGGG CTGTAATCGTGATAAACCGCCGT	TAATACGACTCACTATAGGG CGGAACGTGGTATTTTCTGCTG
Mbl 3' UTR	TAATACGACTCACTATAGGG GCAGTGCCATGGTCCTAAATCC	TAATACGACTCACTATAGGG TGTTTCTCTTCCGTTCGCTTGT
Lacasse2 Exon 1	TAATACGACTCACTATAGGG CGTTGCTCGTACTTCATTAAGCCG	TAATACGACTCACTATAGGG TGATTTTGCTGTGAGTTGGCAACA
Hrb27C Exon 4	TAATACGACTCACTATAGGG CTGACATGTACTCGCGTGCTC	TAATACGACTCACTATAGGG TCTCCTCCACACGATCCTTCTC
Hrb87F Exon 4	TAATACGACTCACTATAGGG TGTCAGACCAGGCAGACAAGA	TAATACGACTCACTATAGGG ACTAAGCGTTCGGGGTTCTTAGG
SF2 Exon 1	TAATACGACTCACTATAGGG CCATTTGTCATTGTGAGCGTGAC	TAATACGACTCACTATAGGG CGCATCTTCGAACTCAACAAAAGC
SRp54 Exon	TAATACGACTCACTATAGGG TCTCCCCGATCTAGAAGCAAGC	TAATACGACTCACTATAGGG TAGGTCTAGGGCGAGTTGGAG
B52 Exon 2	TAATACGACTCACTATAGGG TTCCTAAAGGACAGTCGAGCA	TAATACGACTCACTATAGGG GCCGTAGCCATTTTTGATGAGG

qPCR Primers	**Forward Primer**	**Reverse Primer**
Laccase2 Circular RNA	GCCTCCGAGAATTTGCTACTATCA	ACATGTTGCTGCCAGAAGGAC
PlexA Circular RNA	ATTTCCTTTGCGTTGGTGTCATT	CCCAGCATGCCATGTGTTCTA
Dbp80 (Exon 5/6) Circular RNA	AGCCACCCAAGGTCATCATG	AATTGTCCCATTCGCGCAGC
CamKI Circular RNA	GGGTCCTACACAGAAAAGGACG	CATTTGCCATCGAAATGATTTGCA
Uex Circular RNA	ATTCGCAATGGTTCGCCGTG	GCAACGGATTTTCAGCACTTTACT
Haspin Circular RNA	CGATGTCTATCGAATGATGCGGA	CCGGATGGTCATTTTCAGATCCC
Dbp80 (Exon 3/4) Circular RNA	GCCATGCTTAGCCGAGTCAAC	GCTTTGTGTTCACCAGCCCC
MFS17 Circular RNA	CACCAAACGCGCTGGAATTT	CAAATTATGGTCATTCCGCAGCT
Pan Circular RNA	AAACAAGAATGCGGTGTTCAGG	CTCGAAAAACTTCTTTGCACTGCA
Laccase2 mRNA	GGACTTGGTGAGTGTGGTATTCG	ACATCGTATGTTGGCGGAGAAGA
Mbl mRNA	CATTCCGGCCAACTCGTACA	TGTGCCACCTGCACTGTTTG
Hrb27C mRNA	GGCTTCGGCTTTCTCTCCTT	TTCTTGATTTCGACCTGCTTGC
Hrb87F mRNA	CCGTCCAGCTCCTTACAGTC	CCACCTCCGGTGTTGTAGTT
SF2 mRNA	ATCCAGGACCTGTTCCACAA	CGCATCTTCGAACTCAACAA
SRp54 mRNA	GTGTGATCCAGGTGACCAAC	GTACAGGCGGATCTCCTCAA
B52 mRNA	CACACGCGACATCCTCATC	GTTCGCCAAGCAGCTCTTTG
Act42a (β-actin) mRNA	CTCCGTCCACCATGAAGATT	TTCGAGATCCACATCTGCTG