

Supplemental Table 2: List of genes identified in screen as required for plasmid stability

| Gene | Hairpin | Proliferation ¹ | Plasmid Stability ² | Ratio |
|-----------|-------------|----------------------------|--------------------------------|-------|
| DDX5 | V2HS_24065 | 0.69 | 0.08 | 0.10 |
| | V2HS_24063 | 0.60 | 0.09 | 0.14 |
| AND1 | V2HS_196383 | 1.27 | 1.15 | 0.91 |
| | V2HS_199940 | 0.24 | 0.05 | 0.21 |
| | V2HS_196266 | 0.52 | 0.21 | 0.40 |
| | V2HS_198756 | 0.89 | 0.44 | 0.49 |
| NCAP-G2 | V2HS_173669 | 0.20 | 0.01 | 0.17 |
| | V2HS_173668 | 0.81 | 0.17 | 0.21 |
| | V2HS_173665 | 0.33 | 0.02 | 0.06 |
| | V2HS_277726 | 0.58 | 0.04 | 0.07 |
| PICH | V2HS_155113 | 1.22 | 0.80 | 0.66 |
| | V2HS_155116 | 0.77 | 0.21 | 0.27 |
| | V2HS_155115 | 0.68 | 0.16 | 0.24 |
| C14ORF130 | V2HS_255281 | 0.99 | 0.41 | 0.41 |
| | V2HS_202843 | 0.37 | 0.41 | 1.11 |
| | V2HS_203406 | 0.14 | 0.10 | 0.71 |
| | V2HS_203155 | 0.90 | 0.30 | 0.33 |
| KDELC1 | V2HS_98989 | 0.98 | 0.69 | 0.70 |
| | V2HS_231665 | 0.55 | 0.11 | 0.21 |
| | V2HS_98994 | 1.10 | 0.60 | 0.54 |
| | V2HS_98993 | 1.06 | 0.48 | 0.45 |

^{1,2} A value of 1.00 is equal to the colony formation measured for the negative control RNAi cultures in the experiments listed above.