**Table 2 (Conserved Portion of a spyCas9 sgRNA; SEQ ID NO:400)**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G | U | U | U | U | A | G | A | G | C | U | A | G | A | A | A | U | A | G | C | A | A | G | U | U | A | A | A | A | U |
| LS1-LS6 | | | | | | B1-B2 | | US1-US12 | | | | | | | | | | | | B3-B6 | | | | LS7-LS12 | | | | | |

| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | A | G | G | C | U | A | G | U | C | C | G | U | U | A | U | C | A | A | C | U | U | G | A | A | A | A | A | G | U |
| Nexus | | | | | | | | | | | | | | | | | | H1-1 through H1-12 | | | | | | | | | | | |

| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G | G | C | A | C | C | G | A | G | U | C | G | G | U | G | C |
| N | H2-1 through H2-15 | | | | | | | | | | | | | | |