**Supplementary table S2.** Templates and name of primers used for PCR amplifications during the construction of the indicated plasmids are shown.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Plasmid** | **Mutant** | **PCR** | **Primer Forward\*** | **Primer Reverse\*** | **Template** |
| pLX-UCBSVi | K38A | 1 | #3205 | #3130 | pLX-UCBSVi |
| 2 | #3160 | #3206 | pLX-UCBSVi |
| overlapped | #3160 | #3130 | PCR1 + PCR2 |
| pLX-UCBSVi | N35A | 1 | #3872 | #3130 | pLX-UCBSVi |
| 2 | #3160 | #3873 | pLX-UCBSVi |
| overlapped | #3160 | #3130 | PCR1 + PCR2 |
|  |
| pLX-UCBSVi-HAM1-2xMyc | T1A | 1 | #3261 | #3130 | pLX-UCBSVi-HAM1-2xMyc |
| 2 | #3160 | #3262 | pLX-UCBSVi-HAM1-2xMyc |
| overlapped | #3160 | #3130 | PCR1 + PCR2 |
| T1S | 1 | #3263 | #3130 | pLX-UCBSVi-HAM1-2xMyc |
| 2 | #3160 | #3264 | pLX-UCBSVi-HAM1-2xMyc |
| overlapped | #3160 | #3130 | PCR1 + PCR2 |
| T1P | 1 | #3265 | #3130 | pLX-UCBSVi-HAM1-2xMyc |
| 2 | #3160 | #3266 | pLX-UCBSVi-HAM1-2xMyc |
| overlapped | #3160 | #3130 | PCR1 + PCR2 |

\*The sequences of oligonucleotides used in this study are shown in Supplementary table S1