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| --- |
| **C-terminal tagging with FSVS** |
| **nAChR subunit** | **fragment** | **site**  | **oligonucleotides sequence**  |
| *nAChRα6* | 31 | 105\_\_Donor\_LHA\_Da6  | 5’CGGGCTAATTATGGGGTGTCGCCCTGTGCATGCAGAGAATGAAACC3’ |
|   | 106\_LHA\_Da6\_linker\_R | 5’CCTTGCACGATTATGTGCGGAGCTGAGAGCAGCACCGTAACCG3’ |
|   | 32 | 107\_linkerTag\_F  | 5’GCTCTCAGCTCCGCACATAATCGTGCAAGGATCCGGCGGAGGGGGC3’ |
|   | 108\_RHDa6\_Tag\_R  | 5’CTAATTCGAGCGTCCTTACTTTTCGAACTGGGGATGGC3’ |
|   | 33 | 109\_TG-RHA\_Da6\_F  | 5’CCCCAGTTCGAAAAGTAAGGACGCTCGAATTAGGCC3’ |
|   | 110\_Donor\_RHDa6  | 5’AAATTTTGTGTCGCCCTTGAACTCGATTTGCGCTGCTTAGCTTCATCTG3’  |
| **C-terminal tagging with FSVS-loxP-3Px3DsRED-loxP using as a template donors with FSVS tags above (fragments 31-33)** |
| **nAChR subunit** | **fragment** | **site**  | **oligonucleotides sequence** |
| *nAChRα6* | 34 | 105\_\_Donor\_LHA\_Da6  | 5’CGGGCTAATTATGGGGTGTCGCCCTGTGCATGCAGAGAATGAAACC3’ |
|   | 114\_RHDa6\_Tag\_R  | 5’CTTTTCGAACTGGGGATGGCTCCAAGCTCC3’ |
|   | 36 | 155\_Marker\_F1  | 5’CTTGGAGCCATCCCCAGTTCGAAAAGTAGTAAGGTACCGCGGGTATAAC3’ |
|   | 157\_Marker\_R1 | 5’GGCTCTTCTATATAACTTCGTATAGCATAC3’ |
|   | 36 | 165\_Da6\_F\_marker | 5’ATGCTATACGAAGTTATATAGAAGAGCCTAAGGACGCTCGAATTAGGCC3’ |
|   | 110\_Donor\_RHDa6 | 5’AAATTTTGTGTCGCCCTTGAACTCGATTTGCGCTGCTTAGCTTCATCTG 3’ |

## Supplementary Figure 8. C-terminal tagging of nAChRa6 with FSVS.