Table S1. Primer names sequences used for generating FRET pairs along with the primer functions

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| **Primer name** | **Sequence (in 5’-3’ direction)** | **Primer function** |
| Now-1 | CAATTGTGAGCGGATAACAATTTCACACAGAATTC | Binds to pQE-30 plasmid at its RBS (Used for amplifying NowGFP in NowGFP/pQE-30 vector) |
| Now-2 | CAGTGAGCCACCACCTGACTTGTACAGCTCGTCCGCGCCGA | Amplify NowGFP, Removes stop codon and creates GGGSL at 3’ end |
| Now-3 | AGAACCACGCGGAACCAGTGAGCCACCACCTGACTTGTAC | Extends the linker at 3’ end of NowGFP to GGGSLVPRGS |
| Or-1 | TCACTGGTTCCGCGTGGTTCTGTGAGCAAGGGCGAGGAGAATAAC | Amplify 5’ of mOrange and create overlap region SLVPRGS at 5’ end |
| Or-2 | GATATAAGCTTACTACTTGTACAGCTCGTCCA | Amplify 3’ of mOrange and creates 3' *Hind*III site at 3’ end |
| Tag-1 | TCACTGGTTCCGCGTGGTTCTATGGTGTCTAAGGGCGAAGAGCTGA | Amplify 5’ of TagGFP and create overlap region SLVPRGS at 5’ end |
| Tag-2 | TATAGAAGCTTATCAATTAAGTTTGTGCCCCAGT | Amplify 3’ of TagRFP and creates 3' *Hind*III site at 3’ end |
| Rub-1 | TCACTGGTTCCGCGTGGTTCTATGGTGTCTAAGGGCGAAGAGCTG | Amplify 5’ of mRuby2 and create overlap region SLVPRGS at 5’ end |
| Rub-2 | CTATAGAATAGGGCCCTCTAGAGAAGCTTACTTGT | Amplify 3’ of mRuby2 and creates 3' *Hind*III site at 3’ end |
| Tom-1 | TCACTGGTTCCGCGTGGTTCTATGGTGAGCAAGGGCGAGGAGGTCATC | Amplify 5’ of tdTomato and create overlap region SLVPRGS at 5’ end |
| Tom-2 | GTATGAAGCTTACTTGTACAGCTCGTCCATG | Amplify 3’ of tdTomato and creates 3' *Hind*III site at 3’ end |