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| **Upstream-PCR** | **Forward primer** | **Reverse primer** |
| 1st round (SSIII one step) | CoV-Hip2b-F4913 | CoV-Hip2b-R5370 |
| 2nd round (Platinum taq DNA polymerase) | CoV-Hip2b-F4913 | CoV-Hip2b-R5370 |
|  |  |  |
| **Downstream-PCR** |  |  |
| 1st round (SSIII one step) | CoV-Hip2b-F8807 | CoV-Hip2b-R9174 |
| 2nd round (Platinum taq DNA polymerase) | CoV-Hip2b-F8807 | CoV-Hip2b-R9119 |
|  |  |  |
| **Extension-PCR** |  |  |
| 1st round (Expand DNA polymerase) | CoV Hip2b F1 | CoV Hip2b 8897 R1 |
| 2nd round (Phusion DNA polymerase) | CoV Hip2b F2 | CoV Hip2b 8897 R1 |