|  |  |  |
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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  |