Supplemental Table S3: Region exchanged is highlighted in yellow and the 3xFLAG tag is shown in red

| Name | Primary Sequence |
|------|------------------|
| Hsh155 Hs1-5 3xFLAG | 
HSHP1QFVANNNSKSHSLQGGQSYIFQDLRNLQREAAR1531GKDVLQKMRKTMTRQYRNAKRDYKDFKEMPDSPTTQTSSENTAQDAVPRKRRKSRDKGYPDEDSVATTENKDSAVNLVGEVDMDFLKSLKFDPHDYFADVISKFPDNLKDKEQKRMKLKKL11NKTGTPHRKARLQTG |  |
| Hsh155 Hs1-6 3xFLAG | 
HSHP1QFVANNNSKSHSLQGGQSYIFQDLRNLQREAAR1531GKDVLQKMRKTMTRQYRNAKRDYKDFKEMPDSPTTQTSSENTAQDAVPRKRRKSRDKGYPDEDSVATTENKDSAVNLVGEVDMDFLKSLKFDPHDYFADVISKFPDNLKDKEQKRMKLKKL11NKTGTPHRKARLQTG |  |
| Hsh155 Hs1-12 3xFLAG | 
HSHP1QFVANNNSKSHSLQGGQSYIFQDLRNLQREAAR1531GKDVLQKMRKTMTRQYRNAKRDYKDFKEMPDSPTTQTSSENTAQDAVPRKRRKSRDKGYPDEDSVATTENKDSAVNLVGEVDMDFLKSLKFDPHDYFADVISKFPDNLKDKEQKRMKLKKL11NKTGTPHRKARLQTG |  |
| Hsh155 Hs1-16 3xFLAG | 
HSHP1QFVANNNSKSHSLQGGQSYIFQDLRNLQREAAR1531GKDVLQKMRKTMTRQYRNAKRDYKDFKEMPDSPTTQTSSENTAQDAVPRKRRKSRDKGYPDEDSVATTENKDSAVNLVGEVDMDFLKSLKFDPHDYFADVISKFPDNLKDKEQKRMKLKKL11NKTGTPHRKARLQTG |  |