|  |  |  |  |
| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 4GSX\_B | GHHHHHHHHGSS | A | 427 |
| 1GHHHHHHHHGSS12 | B |  |

**Table showing selected shared sequences for localization and surface accessibility assessment**

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 406B\_B | AHHHHHHSSGVDLGTENLYFQSNAD 25 | A | 376 |
| 1AHHHHHHSSGVDLGTENLYFQSNAD25 | B |  |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 2P3O\_A | 1MRGSHHHHH9 | A | 305 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 3UAJ\_A | 398EDDDDKAGWSHPQFEKGGGS417  420GSGGGSWSHPQFEK417 | A | 433 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 102L\_A | 13LRLKIYKDTE22  46ELDKAIGRNTNGVITKDEA64  76VRGILRNAKLKPVY89  113AGFTNSLRMLQQKRWDEAAVNLAKSRWYNQTPNRAKRVITTFRTGTWDAYK163 |  | 165 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5AQ5\_L | 14LVPRGSHMASMT25 | L | 328 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 1A1R\_A | 1ASMTGGQQMG10  189MRGSHHHHH197 |  | 198 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 6CGV\_N | 302QGGGGAGGS310 | N | 571 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 1L2G\_C | 12KMADPNRFRGKDLPVLDQ 29  35GVRRVYHIQAGLPDPFQPP53  57ITVYYAVLE65  82IVRGASEDV90  92KQPYNLTIAWFRMGGNCAIPITVMEYTEC120  124KSLGACPIRTQPRWNY139  156HAPAFETAGTYLRLVKINDWTEITQFILEHRAKGSCKYALPL197 | C | 287 |

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 2C36\_B | 1PVLDQLTDPPGVRRVYHIQAGLPDPFQPPSLPITVYYAVLERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMEYTECSYNKSLGACPIRTQPRWNYYDSFSAVSEDNLGFLMHAPAFETAGTYLRLVKINDWTEITQFILEHRAKGSCKYALPLRIPPSACLSPQAYQQGVTVDSIGMLPRFIPENQRTVAVYSLKIAGWHGPKAPYTST229 | B | 285 |

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5B1Q\_B | 7TFNIPTFVLDENCNFI22  42SYNAVCLANSFIPM55  68TKFKFSRSR76  84RLGVHINRFYAGK96  98QVKHMITMMKSLFDTE113  120DRALMGLFVDA130  136MPLIALSLHENGLPDSKF153  165NSFHNRPDADIEQYA176  186RAYNYLYKIP192  213GVNKKPTLLFT223  239FLTSTWNMIYN249  259TWIKYEINSI268  273VLVGFQLPDLK283  322FATKANICILP332  342FEDVLKRSNDDEDLNYL358  375PIQVDPGRVDNVLTD389  400AFSSIAIMPISYDK413  430QSLSAVVYG438 | B | 459 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein l chain | Protein length |
|
| 1A9M\_B | 34EEMSLPGRWKPK45  78GPTPVNIIGRNLLTQIGC95 | B | 99 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein l chain | Protein length |
|
| 1A8O\_A | 5QGPKEPFRDYVDRFYKTLRAEQA27  29QEVKNWMTETLLVQNANPDC48  52LKALGPGATLEEMMTACQG70 | A | 70 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 1B9F\_A | 117RDQAEHLKTAVQMAVFIHN135  137KRKGGIGGY145 | A | 163 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5YZD\_C | 391GWSHPQFEKGGGSG404  406GSGGGSWSHPQFEK419 | C | 419 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5WKM\_A | 2HHHHHHSGLV11 | A | 313 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 3C9I\_F | 2ALVPRGSHMA11 |  | 242 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 1WNC\_F | 50LVPRGSGGSGGSGGLEVLFQGP71 |  | 112 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 3ZF0\_A | 8HHHSSGLVPRGSHMASMTGGQQMGRGSM35 |  | 204 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5K6K\_B | 1AHHHHHHSSGVDLGTENLYFQSNAD25 |  | 376 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 3E90\_D | 188LGSRSHHHHHH198 |  | 198 |

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 2I39\_F | 1MGSSHHHHHHSSGLVPRGSHMR22 |  | 137 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 3MUU\_F | 345GGGSWSHPQFEKGGGG360 |  | 750 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 4IJS\_D | 1MRGSHHHHHHGSIEGR16 |  | 248 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 3N44\_F | 438EDDDDKAGWSHPQFEKGGGS457  460GSGGGSWSHPQFEK473 | F | 473 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 4K4Y\_M | 463GSSSHHHHH472 | A | 472 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5T3T\_J | 2AHHHHHHVDDDDKM15 | J | 193 |

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5L1X\_L | 379SGRENLYFQ387 | L | 387 |

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 6EGU\_C | 471TGDYKDDDD479  483GWSHPQFEKGGGS495  499SGGGSWSHPQFEK511 |  |  |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5LK3\_A | 461DDDDKAGWSHPQFEKGGGS479  483SGGGSWSHPQFEK495 | A | 495 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 5KOU\_D | 222ELALVPRGSSAHHH235 | D | 242 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 4RDL\_B | 1GPLGSPEFQ10 | B | 308 |

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| --- | --- | --- | --- |
| ID | Shared Sequence | Protein chain | Protein length |
|
| 1DTO\_A | 10HSSGLVPRGSHMET23 | A | 221 |