**Heavy chains**

>immh103\_M\_UN\_29876

EVQLVESGGGLVKPGGSLRLSCAASGFTFSNAWMSWVRQAPGKGLEWVGRIKSKTDGGTTDYAAPVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCTTAPINIVVVVPAAIKDRDYYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-15 | D2-2 | J6 |

> preh159\_M\_V3\_60711

EVQLVESGGGLVKPGGSLRLSCAASGFTFSNAWMSWVRQAPGKGLEWVGRIKSKTDGGTTDYAAPVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCILVHIVVVPAAINGYYDFWSGWDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-15 | D2-2 | J6 |

>naih111\_M\_V3\_30355

QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKTLLDVVVVPAATPQNYYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-30 | D2-2 | J6 |

>preh119\_M\_V3\_110284

EVQLVESGGGLVKPGGSLRLSCAASGFTFSNAWMSWVRQAPGKGLEWVGRIKSKTDGGTTDYAAPVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCTTHIVVVPAAIPSHYYYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-15 | D2-2 | J6 |

>preh149\_M\_UN\_598450

QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKGAPNIVVVPAAKSAHYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-30 | D2-2 | J6 |

>preh118\_M\_V3\_855230

QVQLVESGGGVVQPGRSLRLSCAASGFTFSTYPMHWVRQAPGKGLEWVAFLWHDGTEEFYADSVRGRFTISRDNSKNTLYLQMDGLRADDTALYYCARDTGVGGLVVPAATGDLAGYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-33 | D2-2 | J6 |

>immh103\_M\_V3\_22024

EVQLVESGGGLVKPGGSLRLSCAASGFTFSNAWMSWVRQAPGKGLEWVGRIKSKTDGGTTDYAAPVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCTTVRDIVVVPAAIGLNYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-15 | D2-2 | J6 |

>preh146\_M\_V3\_253300

QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKTASFVVVPAAISDGDGYYYYMDVWGKGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-30 | D2-2 | J6 |

>immh149\_M\_V3\_59726

QVQLVESGGGVVQPGRSLRLSCAASGFTFSNAWMSWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKDQFVAVVVPAAIHLGYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-30 | D2-2 | J6 |

>preh149\_M\_UN\_713160

EVQLVESGGGLVKPGGSLRLSCAASGFTFSNAWMSWVRQAPGKGLEWVGRIKSKTDGGTTDYAAPVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCTTDRWGIVVVPAAKLVSYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-15 | D2-2 | J6 |

>immh159\_M\_UN\_59280

EVQLVESGGGLVKPGGSLRLSCAASGFTFSNAWMSWVRQAPGKGLEWVGRIKSKTDGGTTDYAAPVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCTTPPGHIVVVPAANSLIAAPYYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-15 | D2-2 | J6 |

>preh138\_M\_V3\_494120

EVQLVESGGGLVKPGGSLRLSCAASGFMFSSYEMNWVRQAPGKGLEWVGRIKSKTDGGTTDYAAPVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCTTDLFLRARVVPAAMAPYYYGMDVWGQGTTVTVSS

|  |  |  |
| --- | --- | --- |
| V gene | D gene | J gene |
| V3-15 | D2-2 | J6 |

**Light Chains**

>nail107\_IGKV3\_IGKC\_111176

EIVLTQSPATLSLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYGASSRATGIPDRFSGSGSGTDFTLTISRLEPEDFAVYYCQQYGSSPYTFGQGTKLEIK

|  |  |
| --- | --- |
| V gene | J gene |
| KV3-20 | KJ2 |

>nail120\_IGLC\_UN\_122004

QSVLTQPPSASGTPGQRVTISCSGSSSNIGSNTVNWYQQLPGTAPKLLIYSNNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDSLNGVVFGGGTKLTVL

|  |  |
| --- | --- |
| V gene | J gene |
| LV1-44 | LJ2 |

>imml103\_IGKC\_IGKV3\_101790

EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPARFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPLTFGGGTKVEIK

|  |  |
| --- | --- |
| V gene | J gene |
| KV3-11 | KJ4 |