

```

DP54JH4      1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSYWMNWVRQAPGKGLEWVAIRKQGGSEKYY 60
              |||
IL33-158_VH  1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSYWMNWVRQAPGKGLEWVAIRKQGGSEKYY 60
              |||
DP54JH4      57 YDSYEGHFTISRDNAKNSLYLQMNSLRAEDTAVYYCAR-----YFDYWGQGTLTVES 113
              .....
IL33-158_VH  57 PESYKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARGHYXYTYSYSLGYWGQGTLTVES 121
              .....

DPK5JK4      1 DIQMTQSPFSSLSASVGRVTITCRASQSISSEYLNWYQOKFGKAPKLLIYAASSLQSGVPS 60
              |||
IL33-158_VL  1 DIQMTQSPFSSLSASVGRVTITCRASQINIKHLEWYQOKFGKAPKLLIYFTINHLQSGVPS 60
              |||
DPK5JK4      61 RFSGSGSGTDFTLTISSLQPEDPATYYCQOSYSTPLTFGGGTVEIK 107
              |||
IL33-158_VL  61 RFSGSGSGTDFTLTISSLQPEDPATYYCQD-YHGGTTFGGGTVEIK 106
              |||

```

FIG. 2A

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DP54JH4      1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSYWMNWVRQAPGKGLEWVAIRKQGGSEKYY 60
              |||
IL33-157_VH  1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSYWMNWVRQAPGKGLEWVAIRKQGGSEKYY 60
              |||
DP54JH4      57 YDSYEGHFTISRDNAKNSLYLQMNSLRAEDTAVYYCAR-----YFDYWGQGTLTVES 113
              .....
IL33-157_VH  57 PESYKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARGHYXYTYSYSLGYWGQGTLTVES 121
              .....

DPK5JK4      1 DIQMTQSPFSSLSASVGRVTITCRASQSISSEYLNWYQOKFGKAPKLLIYAASSLQSGVPS 60
              |||
IL33-157_VL  1 DIQMTQSPFSSLSASVGRVTITCRASQINIKHLEWYQOKFGKAPKLLIYFTINHLQSGVPS 60
              |||
DPK5JK4      54 RFSGSGSGTDFTLTISSLQPEDPATYYCQOSYSTPLTFGGGTVEIK 107
              |||
IL33-157_VL  54 RFSGSGSGTDFTLTISSLQPEDPATYYCQD-YHGGTTFGGGTVEIK 106
              |||

```

FIG. 2B