

Ruler 1	30	40	50	60
Consensus	- - - - - F L L S E y d e c e - - - - -			
IL4Ra_40-100	r l l y q l v f l l s e a h t c i p e n n g g a g c v c h l l m d d v v s a d n y t			
Dupilumab-4BD-1pr-FLLSE-seq1 count=11	- - - - - F L L S D W D E E S Q R E Y D N - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq4 count=3	- - - - - Q L L S E F P H H V W Q K H S I - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq5 count=4	- - - - - F L F S E Y H N V D R V Y A S C - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq8 count=4	- - - - - F L L S D W D V V G P L F D C Y - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq10 count=4	- - - V Q H S F L F S E C Y V L C D F - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq13 count=65	- - - E P W C F L L S E Y G Q P H C N - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq14 count=2	- - - - - F L H S E L S N S K E R T F R F - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq15 count=5	- - - - - F E L S E T Y F C A C V A D C C - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq16 count=6	- - - - - F L L S D L V F E D C E R I F N - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq18 count=4	- S W S S Q R F E L S E G L P I F - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq19 count=3	- - - - - F L L S D W E E D D Q P H I G C - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq20 count=4	- - - - - F A L S E W Y F F S C C A T G C - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq21 count=4	- - - - - F L H S E F Y H L T W N P L E Y - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq23 count=2	- G P V S N E F L L S E S D V G C - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq24 count=2	- - - - - F L W S E R A S R F K Q V Q Y I - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq25 count=6	- - - - - F L L S D H L Q S E E V N C F D - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq26 count=7	- - - - D Y S C L L S E F F F E C G Q P C - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq27 count=15	- - - - E Y S C L L S E F F C F D K F I - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq28 count=3	- - - - - F L L S D W D E E S Q R S Y I N - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq29 count=6	- - - - - F L L S D H Q D E Y P S E Y Y D - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq32 count=2	- - - - - F L V S E D E P C V P V N A R N - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq34 count=6	- D V S C W H F L L G E F D H C Y - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq36 count=7	- - - - - H L F C L S E I N P W L Q G L I - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq38 count=2	- - - - - Y L L S E K G V K Q W G H G V N - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq39 count=3	T A Q S H D T F L L C E R D E F - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq41 count=3	- H Q Q S N D F L Y S E I I E D Y - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq42 count=6	- - - - - F L L S D W D E E S Q L L R Q C - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq43 count=5	- H Q H C Y V P F L L Q E F E Y C - - - - -			
Dupilumab-4BD-1pr-FLLSE-seq44 count=3	- - S Q H C W F L L G E C S E L H D - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq1 count=80	- - - - - F L L S D W D E E S Q R E Y D N - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq6 count=2	- - - - S H N C L L S E Y F C Y E E P D - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq9 count=283	- - - E P W C F L L S E Y G Q P H C N - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq11 count=3	- N F H C E S W F L L K E C E T I - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq15 count=2	- - E V G C F F L L C E E N I A E Y - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq17 count=58	- - - - - F L L S D W E E D D Q N L Q G Y - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq19 count=14	- - - - - F L L S D W G R Y E E S V Y D C - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq22 count=2	- - - E P W C F L L S E Y G H P H Y N - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq23 count=2	- - - - D Y S C L L S E F F F E C G Q P C - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq25 count=81	- - - - E Y S C L L S E F F C F D K F I - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq29 count=5	- - - - - F L L S D Y N H D Q E T H Q A F - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq32 count=2	- - - H S F C F L L S D I I Q P C H F - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq33 count=28	- D V S C W H F L L G E F D H C Y - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq34 count=9	- - R E P C W F D L S E C I Y Q R Y - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq37 count=2	- - - E P W C F L L T E Y G Q P H C N - - - - -			
Dupilumab-2ID-2pr-FLLSE-seq44 count=10	- - S Q H C W F L L G E C S E L H D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq1 count=30	- - - - - F L L S D W D E E S Q R E Y D N - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq4 count=8	- - - - - F L L S D L E Y Q C G L A E Y C - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq5 count=2	- - - - - E L L S E H Q F I V K F D Y H Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq10 count=7	L D E P W C Q E E N - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq11 count=2	- - - - S H N C L L S E Y F C Y E E P D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq13 count=43	- - - E P W C F L L S E Y G Q P H C N - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq15 count=2	- - - - - F L L S D K Q S F Y W N D I P N - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq16 count=2	- N F H C E S W F L L K E C E T I - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq17 count=2	- - - - - F L L S D H Q D E Y P F S H A F - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq18 count=2	- - - - - F V L S E N Q G V F E Q Q Y T Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq19 count=3	- - - - - F L L S D H Q I L D Q V Y E V I - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq21 count=6	- - - - - F L L S D L D W K N E Y T F S Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq22 count=3	- - - - - F L H S E Y T H H Q Q E L D T D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq23 count=6	R A V L Q A G F L L S F - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq24 count=8	- - E V G C F F L L C E E N I A E Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq25 count=3	- - - - - F L L S D H L Q S E E Q T G F N - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq26 count=3	- - - - W E F C L S E I D T C N S R Y F - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq27 count=4	- - E E A C F F L L S N Y F R H R D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq28 count=25	- - - - - F L L S D W E E D D Q N L Q G Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq29 count=7	- - - - - F L L S D W G R Y E E S V Y D C - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq32 count=4	- H Q V C P S F L L G E F C R F A - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq33 count=7	- - - - - F V L S E H H I Q Y E I S T L Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq34 count=2	- - - - - F L L S D Y R T C E W I D N L I - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq36 count=2	- D V P C W P F V L S E Q D Q E I - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq38 count=4	- - - - - F L L S N Y Q H E Q Y T F Y G D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq39 count=5	- - - - - F L L S D H L Q S E E V N C F D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq40 count=2	- - - - - F L L S D F N W Y E W Y A C G Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq41 count=1	- - - - D Y S C L L S E F F F E C G Q P C - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq42 count=7	- - D P P C R F L L S D E F F C R I - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq43 count=3	- T P G C Y Y F L L G E H H H Y C - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq46 count=3	- - - - - F L L S D K D Q V R P S S N C C - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq47 count=10	- - - - - F L L S D Y N H D Q E T H Q A F - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq48 count=2	- - H S F C F L L S D I I Q P C H F - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq49 count=14	- D V S C W H F L L G E F D H C Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq50 count=4	- - R E P C W F D L S E C I Y Q R Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq52 count=5	- - T W W C E F L L F E R A R G T N - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq54 count=9	- - - - - F H L S E E V W F E P L Q E H Y - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq57 count=2	- V Y T C K F F L L G E A C V Q I - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq60 count=2	Y I H H P V E F L L S D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq61 count=16	- - - - - F L L S D Y V H V N E V P V Y D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq62 count=3	- - - - - F L L S D W T W S A C T A G K A - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq63 count=2	- - E P H C K F L L C E I H Q Y V D - - - - -			
Dupilumab-2ID-1pr-FLLSE-seq64 count=5	- - S Q H C W F L L G E C S E L H D - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq2 count=13	- - - - - F L L S D H Q D E Y P S E Y Y D - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq3 count=3	- - - - - F L L S N S W V P C C S I R L F - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq5 count=13	- - - - - F L L S D W D E E S Q R S Y I N - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq9 count=3	- - - - - F L L S D W D V V G P L F D C Y - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq11 count=3	- D V S C W H F L L G E F D H C Y - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq13 count=2	- - - E P W C F L L S E Y G H P H C N - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq15 count=2	- - - - - F E L S E T Y F C A C V A D C C - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq17 count=31	- - - - - F L L S D W D E E S Q R E Y D N - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq18 count=5	- H Q H C Y V P F L L Q E F E Y C - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq21 count=152	- - - - E Y S C L L S E F F C F D K F I - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq22 count=4	- - - G Y Q C F L L S D Q G C N E E N - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq25 count=8	- - - - D Y S C L L S E F F F E C G Q P C - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq26 count=2	- - - - - F L L S D L V F E D C E R I F N - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq27 count=4	- E T P C F V F L L G E I P I G C - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq30 count=466	- - - E P W C F L L S E Y G Q P H C N - - - - -			
Dupilumab-4BD-2pr-FLLSE-seq32 count=2	- - - - - Y L L S E F Q D Q Y Y E Q E L A - - - - -			

