



IGHV3-7*04 IGHV3-11*05 IGHV3-15*01 605 sequences assigned 1668 sequences assigned 518 (31.1%) exact matches, in which: 868 sequences assigned 110 (18.2%) exact matches, in which: 269 (31%) exact matches, in which: 107 unique CDR3 266 unique CDR3 510 unique CDR3 5 unique J 6 unique J 6 unique J 500 90 400 200 Count 300 60 200 100 30 100 0 0 0 5 10 15 20 5 10 15 20 0 10 0 15 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-13*01 IGHV3-20*01 IGHV3-9*01 289 sequences assigned 58 (20.1%) exact matches, in which: 81 sequences assigned 1653 sequences assigned 594 (35.9%) exact matches, in which: 25 (30.9%) exact matches, in which: 25 unique CDR3 57 unique CDR3 575 unique CDR3 5 unique J 6 unique J 6 unique J 60 600 25 20 40 400 15 Count Count 10 200 20 5 0 0 0 20 10 15 0 5 10 15 20 12 0 5 0 8 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-20*04 IGHV3-11*01 IGHV3-13*04 362 sequences assigned 1000 sequences assigned 261 sequences assigned 79 (21.8%) exact matches, in which: 246 (24.6%) exact matches, in which: 103 (39.5%) exact matches, in which: 79 unique CDR3 102 unique CDR3 243 unique CDR3 5 unique J 6 unique J 5 unique J 80 250 100 200 60 75 150 Count 40 50 100 20 25 50 0 0 0 10 15 20 10 15 20 0 0 10 15 20 **Nucleotide Difference Nucleotide Difference Nucleotide Difference**













