

## IGHV3-21

1	G	A	A	T	A	C	G	G	T	G	A
1,2	*	A	A	T	A	C	G	G	T	G	A
4	G	A	A	T	A	C	G	G	C	G	A
1,2,3	*	A	A	T	A	C	G	*	T	G	A
1,2,4	*	A	A	T	A	C	G	G	*	G	A
2	A	A	A	T	A	C	G	G	T	G	A
1*	G	C	A	T	A	C	G	G	T	G	A
3	G	A	A	T	A	C	G	A	T	G	A
1*	G	A	A	T	A	C	G	G	T	G	G
1*	G	A	A	T	A	T	G	G	T	G	A
1*	G	A	G	A	C	C	G	G	T	G	A
1,2*	*	A	A	T	A	C	G	G	T	A	A
1,2,3,4	*	A	A	T	A	C	G	*	*	G	A
1*	G	A	A	T	A	C	C	G	T	G	A

8 81 162 168 169 230 253 272 275 290 293

