

IGHV5-51

1	G	A	A	A	C	T	C	C	G	A
3	G	A	A	A	G	T	C	C	G	A
1*	G	A	A	A	C	T	C	C	G	G
1,2,3	G	A	A	A	*	*	*	C	G	A
1,3*	G	A	A	A	*	T	C	C	G	G
1*	G	A	A	A	C	T	C	C	G	C
1,3*	G	A	A	A	*	T	C	C	G	C
1*	G	A	A	A	C	T	C	C	G	T
1,3*	G	A	A	A	*	T	C	C	G	T
1,3	G	A	A	A	*	T	C	C	G	A
3*	G	A	A	A	G	T	C	C	G	G
1*	A	A	A	A	C	T	C	C	G	A
3*	G	G	T	G	G	T	C	C	G	A
3*	G	A	T	A	G	T	C	C	G	A
1,3*	G	A	A	A	*	T	C	C	C	C
1*	G	A	A	A	C	T	C	T	G	A
	3	23	26	35	41	100	132	233	292	293

