

CNBG_4871

Polymorphic amino acid positions

Protein haplotypes	38	204	215	248	265	377	539	600	637	640	977	1008	1211	1350	1364	1488	1493
VGIV	K	P	E	Y	K	N	D	L	I	I	V	A	E	T	R	G	I
VGI	K	S	E	Y	K	N	D	L	I	I	V	V	E	R	K	E	I
VGI	K	P	E	Y	K	N	D	L	I	I	V	A	E	R	R	G	I
VGIII	K	S	E	Y	K	N	D	L	I	I	V	A	E	R	R	E	T
VGIII	K	S	E	Y	R	S	D	L	I	I	V	A	E	R	R	E	T
VGIII	K	S	G	Y	R	S	D	L	I	I	V	A	E	R	R	E	T
VGII	R	S	E	N	K	N	N	F	I	I	V	A	D	R	R	E	T
VGII	R	S	E	N	K	N	N	L	I	I	I	A	E	R	R	E	I
VGII	R	S	E	N	K	N	N	L	V	I	I	A	E	R	R	E	I
VGII	R	S	E	N	K	N	N	L	V	T	I	A	E	R	R	E	I

CNBG_4872

Polymorphic amino acid positions

Protein haplotypes	28	84	318	332	410	427	534	601	713	736	974	1018	1021	1145	1193	1206	1241	1354	1361	1399	1501	1503	1508	1538	1543
VGIV	L	R	P	S	D	E	E	P	P	N	T	A	S	T	G	Y	D	D	V	R	K	M	T	G	M
VGIII	S	G	P	T	E	E	E	S	P	N	T	A	S	A	D	N	E	D	V	R	K	M	R	G	T
VGIII	S	G	P	T	E	K	E	S	P	N	T	A	S	A	D	N	E	D	V	R	K	M	R	G	T
VGI	S	G	P	T	E	E	E	S	A	N	T	A	F	A	D	N	E	D	V	T	K	M	R	E	T
VGI	S	G	P	T	E	E	E	S	A	N	T	A	F	A	D	N	E	D	V	R	K	M	R	E	T
VGII	S	G	L	T	E	E	D	S	P	N	T	A	S	A	D	N	E	G	V	R	K	T	R	G	T
VGII	S	G	P	T	E	E	E	S	P	T	T	P	S	A	D	N	E	D	M	R	K	M	R	G	T
VGII	S	R	P	T	E	E	E	S	P	N	T	P	S	A	D	N	E	D	V	R	E	M	R	G	T
VGII	S	G	P	T	E	E	E	S	P	N	T	P	S	A	D	N	E	D	M	R	K	M	R	G	T
VGII	S	G	P	T	E	E	E	S	P	N	I	P	S	A	D	N	E	D	M	R	K	M	R	G	T
VGII	S	R	P	T	E	E	E	S	P	N	T	P	S	A	D	N	E	D	V	R	E	M	R	G	T
VGII	S	R	P	T	E	E	E	S	P	N	I	P	S	A	D	N	E	D	V	R	E	M	R	G	T

CNBG_4873

Polymorphic amino acid positions

Protein haplotypes	12	44	143	155	354	456	468	507	552
VGIV	G	S	R	V	T	P	I	S	D
VGIII	V	P	R	V	T	P	T	S	N
VGI	G	P	R	V	T	P	T	S	N
VGII	G	R	H	V	A	P	T	S	N
VGII	G	P	R	L	T	P	T	P	D
VGII	G	P	R	L	T	S	T	P	D