

## Appendix S2

Haplotype definition of 8 variable fragments.

	I-1	I-2	II	III	IV	V	VI-1	VI-2
H1	a	a	a	a	a	a	a	b
H2	a	a	a	a	b	a	a	b
H3	a	a	a	a	b	a	b	b
H4	a	a	a	a	b	a	c	b
H5	a	a	a	a	b	b	b	b
H6	a	a	a	a	b	b	d	b
H7	a	a	a	a	c	a	d	b
H8	a	a	a	a	c	a	e	b
H9	a	a	a	a	c	b	b	b
H10	a	a	a	a	c	b	c	b
H11	a	a	a	a	c	b	d	b
H12	a	a	a	a	c	b	e	b
H13	a	a	a	a	d	a	f	b
H14	a	a	a	a	d	b	d	b
H15	a	a	a	b	a	a	a	b
H16	a	a	a	b	a	a	a	c
H17	a	a	a	b	a	a	b	b
H18	a	a	a	b	a	a	c	b
H19	a	a	a	b	a	b	a	b
H20	a	a	a	b	b	a	a	b
H21	a	a	a	b	b	a	c	b
H22	a	a	a	b	b	a	d	b
H23	a	a	a	b	b	b	c	b
H24	a	a	a	b	c	a	a	b
H25	a	a	a	b	c	a	d	b
H26	a	a	a	b	c	b	c	b
H27	a	a	a	b	c	b	d	b
H28	a	a	b	a	b	a	b	b
H29	a	a	b	b	a	a	a	b
H30	a	a	f	b	b	b	c	b
H31	a	a	f	b	b	a	c	b
H32	a	b	a	a	b	a	b	b
H33	a	b	b	a	b	a	b	b
H34	a	b	b	a	b	a	c	b
H35	a	b	b	a	b	b	b	b
H36	a	b	c	a	b	a	b	b
H37	a	b	c	a	a	a	a	b
H38	a	b	e	a	b	a	c	b
H39	a	c	h	a	b	a	b	a
H40	a	c	h	a	c	a	c	a
H41	b	b	b	a	b	a	b	b
H42	b	b	b	a	b	a	c	b
H43	b	b	b	a	b	b	b	b
H44	b	b	c	a	b	a	b	a
H45	b	b	c	a	b	a	b	b
H46	b	b	c	a	b	a	c	b
H47	b	b	c	a	b	b	b	b
H48	b	b	c	a	c	a	c	b
H49	b	b	d	a	a	a	b	b

H50	b	b	d	a	b	a	b	b
H51	b	b	d	a	b	a	c	b
H52	b	b	d	a	b	b	b	b
H53	b	b	e	a	b	a	b	b
H54	c	b	e	a	b	a	c	b
H55	c	b	c	a	b	a	b	b
H56	d	b	g	c	b	a	c	a
H57	d	b	g	a	b	a	c	a

Fragment number corresponds to the primer combinations in Table 1.