

Table S1. Haplotype data for NVP HSR patients with NVP induced INF γ response for patients 1,2,3 and 4.

Patient	HLA-A	HLA-A	HLA-B	HLA-B	HLA-C	HLA-C	HLA-DRB1	HLA-DRB1	HLA-DQB1	HLA-DQB1	Ethnicity	INF γ response: SFU/Million cells (Days post HSR)
1[#]	24:07	24:10	35:30	38:02	04:01	07:02	12:01	15:02 [^]	05:02	05:02	SEA	115 SFU (6), 235 SFU (61), 285 SFU (81), 225 SFU (90) and 870 SFU (144)
2	11:01	24:02	35:01	13:01	03:04	04:01	11:01	16:01	03:01	05:02	SEA	400 SFU (97) and 20 SFU (476)
3	02:06	34:01	15:21	56:01	04:03	07:01	04:06	15:02 [^]			SEA	300 SFU (2) and 45 SFU (62)
4	29:02	31	14:01[*]	44:03	08:02	16:01	07:01	07:01	02:02	02:02	C	1600 SFU (5), 150 SFU (8), 40 SFU (18), 0 SFU (49)
5	02	30	18:01	58:01[*]	07:04	07:04	08:02	15:01 [^]	04:02	05:01	SEA	
6	11	24	35:01	39:06	04	07:02	01:01	08:01	-	-	C	
7	01	02	08:01	27:01	07	02:02	01:01	03:01	01	02	C	
8	02	31	27:05	44:02	01:02	05:01	01:01	01:01	05:01	05:01	C	
9	01	01	08:01	50:01	07	06:02	03:01	04:01	03	03	C	
10	03:01	11:01	35:01	40:02	02:02	04:01	04:01	11:01	03	03	C	
11	03:01	33:01	14:02[*]	57:01	06:02	08:02	03:01	07:01	02:01	03:03	C	
12	02:01	02:01	13:02	15:01	03:03	06:02	15:01 [^]	07:01	02	06:02	C	
13	01:01	01:01	08:01	08:01	07	07	03:01	03:01	02:01	02:01	C	
14	01:01	24:02	08:01	39:06	07:02	07:02	03:01	08:01	02:01	04:02	C	
15	24	24:07	15:02	38:02	07:02	08:01	15:02 [^]	12:02	03:01	05:01	SEA	
16	02:03	24:07	15:02	40:01	04:03	08:01	14:01	15:01 [^]	05:03	06:01	SEA	
17	02	03	35:01	15:01	03:03	04:01	01:01	04:01	03:02	05:01	C	
18	03	24	51:01	56:01	01:02	15:06	01:01	01:01	05:01	05:01	C	
19	03:01	11:01	35:01	51:01	04:01	14:02	01:01	11:04	03:01	05:01	C	

C=Caucasian, SEA=South East Asian.

*HLA allele was found significant in other published studies [13, 14],

[#]Re-challenged with NVP after initial HSR reaction.

Table S2. HLA allele frequencies for NVP hypersensitive and tolerant individuals, and frequency ranges observed in comparable ethnic groups

HLA allele	DRB1*01:01		B*35:01		Cw*04		Cw*08	
	Caucasian	SE Asian	Caucasian	SE Asian	Caucasian	SE Asian	Caucasian	SE Asian
NVP HSR	0.346	0.000	0.154	0.167	0.154	0.333	0.077	0.167
Tolerant	0.073	0.045	0.054	0.000	0.094	0.136	0.044	0.000
Reference range*	0.08-0.13	0.00-0.04	0.05-0.10	0.00-0.07	0.01-0.20	0.00-0.18	0.00-0.07	0.00-0.18

*Reference range is taken from global distribution plots for Europeans and South East Asians (www.allelefrequencies.net) where $n \geq 100$.