Supplemental Figure 1.

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Marker	Chr.	Position (cM)	C57BL/6J.c1	NOD/ShiLtJ	5	7	10	14	16	19	20	21	26	38	33	39	41	44	49	51
D1Mit167	1	4.12	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D1Mit132	1	39.53	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D1Mit102	1	63.32	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D1Mit459	1	91.86	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D2Mit1	2	2.23	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D2Mit182	2	39.53	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D2Mit311	2	86.02	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D2Mit346	2	100.84	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D3Mit149	3	1.96	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D3Mit25	3	27.32	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D3Mit85	3	71.03	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D3Mit89	3	80.79	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D4Mit227	4	4.43	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D4Mit52	4	52.62	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D4Mit256	4	86.16	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D5Mit146	5	3.43	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D5Mit59	5	38.44	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D5Mit367	5	60.43	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D5Mit97	5	76.10	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D6Mit86	6	1.81	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D6Mit204	6	41.11	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D6Mit304	6	78.22	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D7Mit267	7	17.09	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D7Mit350	7	47.43	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D7Mit189	7	syntenic	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D8Mit155	8	2.14	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D8Mit191	8	21.16	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D8Mit88	8	61.66	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D9Mit83	9	8.39	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D9Mit97	9	27.75	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D9Mit52	9	73.06	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D10Mit2	10	9.78	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D10Mit31	10	34.53	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D10Mit266	10	63.23	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D11Mit21	11	25.94	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D11Mit67	11	60.47	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D11Mit48	11	82.96	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D12Mit109	12	18.94	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D12Mit156	12	35.70	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D12Mit133	12	60.56	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D13Mit132	13	syntenic	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D13Mit13	13	30.06	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D13Mit51	13	56.45	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D14Mit1	14	6.33	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D14Mit233	14	26.43	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D14Mit225	14	39.46	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D15Mit13	15	1.84	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D15Mit171	15	45.02	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D15Mit42	15	55.72	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D16Mit129	16	2.71	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D16Mit139	16	37.28	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D16Mit106	16	57.68	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D17Mit223	17	2.66	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D17Mit53	17	38.64	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D17Mit93	17	45.20	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D18Mit12	18	19.29	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D18Mit117	18	29.67	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D18Mit187	18	50.99	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D19Mit78	19	5.33	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D19Mit14	19	14.32	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
D19Mit103	19	48.46	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
DXMit55	X	3.31	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
DXMit25	X	36.78	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD
DXMit121	X	73.95	B6 B6	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD	NOD NOD

Supplemental Figure S1. NOG-HLA-A2Tg mice microsatellite screening. No7 strain was replacement of the genetic background from B6 to NOD was confirmed.