

表1. 使用キット別参加施設一覧

	D005	D007	D013	D016	D020	D022	D023	D025	D035	D039	D041	D042	D044	D045	D046	D048	D049	D050	D051	D052	D054	D055	D058	23
●	○	○	○	○	○		○				○	○			○		○							10
■						○		○	○				○	○		○			○	○			○	9
▲	○		○							○								○			○	○		6

データ中間報告

- 1 表1に使用キット別参加施設一覧を示す。 今後は昨年度との比較をし、解析結果とあわせ報告する。
- 2 HLAの座位ごとに、使用キット別参加施設の型判定を比較した。今後相違点の原因を生データより解析し報告する。
- 3 昨年同様、施設別総合評価・Kit別総合評価・座位別使用プローブのP/N比の分布をグラフで比較した。今後昨年度と比較し、改善点などの分析をする。

表. HLA-A座判定結果一覧

HLA-A locus				H2001		H2002		H2003		H2004		H2005		H2006	
使用キット	#	Lot	施設コード	DNA型		DNA型		DNA型		DNA型		DNA型		DNA型	
●	1	G002	20D007	A*2402/09/11/+	-	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+
	2	G002A	20D041	A*2402/03/04/+	-	A*1102/01/03/+	A*2402/01/63/+	A*0201/02/04/+	A*2402	A*1102/01/03/+	A*2402/01/63/+	A*0201/04/09/+	A*2402/09/11/+	A*1102/01/03/+	A*2402/01/63/+
	3	H001	20D005	A*2402/09/11/+	-	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/09/11/+
	4	H001	20D013	A*2402/09/11/+	-	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+
	5	H001	20D016	A*2402/09/11/+	-	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+
	6	H001	20D020	A*2402/09/11/+	-	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+
	7	H001	20D023	*2402/07/09/+	-	*1101/02/03/+	*2402/07/09/+	*0201/07/09/+	*2402/07/09/+	*1101/02/03/+	*2402/07/09/+	*0201/07/09/+	*2402/19/30/+	*1101/02/03/+	*2402/07/09/+
	8	H001	20D042	A*2402/09/11//+	-	A*1102/16	A*2402/09/11//+	A*0201/09/24//+	A*2402/09/11//+	A*1102/16	A*2402/09/11//+	A*0201/09/24//+	A*2402/09/11//+	A*1102/16	A*2402/09/11//+
	9	H001	20D046	A*2402/09N/11N/+	-	A*1101/02/03/+	A*2402/09N/11N/+	A*0201/04/09/+	A*2402/03/09N/+	A*1101/02/03/+	A*2402/09N/11N/+	A*0201/04/09/+	A*2402/03/09N/+	A*1101/02/03/+	A*2402/09N/11N/+
	10	H001	20D049	A*2402/09/11/+	-	A*1101/02/03/+	A*2402/09/11/+	A*0201/04/09/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/09/11/+			A*1101/02/03/+	A*2402/09/11/+
	11	F004	20D049									A*0201/04/09/+	A*2402/09/11/+		
■	1	Japanese 007E	20D035	A*2402/09/11/+	A*2402/05/09/+	A*1101/02/03/+	A*2402/05/09/+	A*0201/04/09/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/09/+	A*0201/04/09/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/09/+
	2	008	20D025	A*2402/09/11/+	A*2402/05/09/+	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+
	3	009	20D022	A*2402/05/09/+	-	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+
	4	009	20D044	A*2402/05/09N/+	-	A*1101/02/03/+	A*2402/05/09N/+	A*0201/04/07/+	A*2402/09N/11N/+	A*1101/02/03/+	A*2402/05/09N/+				
	5	009	20D045	A*2402/05/09/+	-	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03-09/+	A*1101/02/03/+	A*2402/05/07/+	nd		A*1101/02/03/+	A*2402/05/07/+
	6	009	20D048	A*2402/05/09/+	-	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/09/11/+	A*1101/02/03/+	A*2402/05/07/+
	7	009	20D051	A*2402/05/09/+	-	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+
	8	009	20D052	A*2402/09/11/+	-	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/07/+	A*2402/03/09/+	A*1101/02/03/+	A*2402/05/07/+
	9	009	20D058	A*2402/13/15/+	A*2402/05/13/+	A*1101/02/03/+	A*2402/05/07/+	詳細はコメント欄へ。	A*2402/14/15/+	A*1101/02/03/+	A*2402/05/07/+	詳細はコメント欄へ。	A*2402/14/15/+	A*1101/02/03/+	A*2402/05/07/+
▲	1	004	20D005	A*2402/05/07/+	-	A*1102/14	A*2402/05/07/+	A*0201/09/24/+	A*2402/05/07/+	A*1102/14	A*2402/05/07/+	A*0201/09/24/+	A*2402/05/07/+	A*1102/14	A*2402/05/07/+
	2	004	20D013	A*2402/05/07/+	-	A*1102/14	A*2402/05/07/+	A*0201/09/12/+	A*2402/05/07/+	A*1102/14	A*2402/05/07/+	A*0201/04/09/+	A*2402/05/07/+	A*1102/14	A*2402/05/07/+
	3	004	20D039	A*2402/05/07/+	-	A*1102/14	A*2402/05/07/+	A*0201/09/24/+	A*2402/05/07/+	A*1102/14	A*2402/05/07/+	A*0201/09/24/+	A*2402/05/07/+	A*1102/14	A*2402/05/07/+
	4	004	20D050	A*2402/05/07/+	-	A*1102/04	A*2402/05/07/+	A*0201/04/09/+	A*2402/03/05/+	A*1102/04	A*2402/05/07/+	A*0201/04/09/+	A*2402/03/05/+	A*1102/04	A*2402/05/07/+
	5	004	20D054	A*2402/05/07/+	-	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/09/+	A*2402/03/05/+	A*1101/02/03/+	A*2402/05/07/+	A*0201/04/09/+	A*2402/03/05/+	A*1101/02/03/+	A*2402/05/07/+
	6	004	20D055	*24	-	*1102/14	*24	*02	*24	*1102/14	*24	*02	*24	*1102/14	*24

表. HLA-B座判定結果一覧

HLA-B locus				H2001	H2002	H2003	H2004	H2005	H2006						
使用キット	#	Lot	施設コード	DNA型	DNA型	DNA型	DNA型	DNA型	DNA型						
●	1	G002	20D007	B*0702/10/15/+	-	B*1527	B*4006	B*1528	B*5201/07	B*1527	B*4006	B*15/35	B*51/52	B*1527	B*4006
	2	H001	20D005	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528	B*5201/07	B*1527	B*4006/70	B:1505/3532/+	B*5101/5202/+	B*1527	B*4006/70
	3	H001	20D013	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528	B*5201/07	B*1527	B*4006/70	B*1505/3532/+	B*5101/5202/+	B*1527	B*4006/70
	4	H001	20D016	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528	B*5201/07	B*1527	B*4006/70	B*15/35	B*51/52	B*1527	B*4006/70
	5	H001	20D020	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528	B*5201/07	B*1527	B*4006/70	B*15/35	B*51/52	B*1527	B*4006/70
	6	H001	20D023	*0702/04/09/+	-	*1526/27	*4006	*1501/12	*5201/05	*1526/27	*4006	*1505/*9507	*5101/02	*1526/27	*4006
	7	H001	20D041	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528	B*5201/07	B*1527	B*4006/70	B*15/35	B*51/52	B*1527	B*4006/70
	8	H001	20D042	B*0702/10/15//+	-	B*152701	B*4006/70	B*1528	B*5201/07	B*152701	B*4006/70	B*1505	B*5101/11/27//+	B*152701	B*4006/70
	9	H001	20D046	HLA-B*0702/10/15/+	-	HLA-B*1527	HLA-B*4006/70	HLA-B*1528	HLA-B*5201/07	HLA-B*1527	HLA-B*4006/70	HLA-B*1505/3532/+	HLA-B*5101/5202/+	HLA-B*1527	HLA-B*4006/70
	#	H001	20D049	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528	B*5201/07	B*1527	B*4006/70	B*1505/3532/+	B*5101/11/27/+	B*1527	B*4006/70
■	1	Japanese 007E	20D035	B*0702/15/17/+	B*0702/03/10/+	B*1527	B*4006/53	B*1528	B*5201/05/07	B*1527	B*4006/53	B*1501/9502/+	B*5101/09/11/+	B*1527	B*4006/53
	2	011	20D025	B*0702/15/18/+	B*0702/10/15/+	B*1527	B*4006/53	B*1501/28/33/+	B*5201/05/07	B*1527	B*4006/53	B*1505/9507	B*5101/03/11	B*1527	B*4006/53
	3	RSS01B_011	20D048	B*0702/10/15/+	-	B*1527	B*4006/53	B*1501/28/33/+	B*5201/05/07	B*1527	B*4006/53	B*1505/9507	B*5101/03/11/+	B*1527	B*4006/53
	4	012	20D022	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528/9520	B*5201/05/07	B*1527	B*4006/70	B*1505/9507	B*5101/43	B*1527	B*4006/70
	5	012	20D044	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528/9520	B*5201/05/07	B*1527	B*4006/70				
	6	012	20D045	B*0702/10/15/+	-	B*1526/27/9510	B*4004/64	B*1528/9520	B*5201/05/07	B*1526/27/9510	B*4004/64	nd		B*1526/27/9510	B*4004/64
	7	012	20D051	B*0702/10/15/+	-	B*1527	B*4006/40	B*1528	B*5201/05/07	B*1527	B*4006/70	B*1505	B*5101/43	B*1527	B*4006/70
	8	012	20D052	B*0702/10/15/+	-	B*1527	B*4006/70	B*1528/9520	B*5201/05/07	B*1527	B*4006/70	B*1505/9507	B*5101/03/11/+	B*1527	B*4006/70
	9	012	20D058	B*0702/10/15/+	B*-	B*1527	B*4006/70	詳細はコメント欄へ。	B*5201/05/07	B*1527	B*4006/70	詳細はコメント欄へ。	B*5101/43	B*1527	B*4006/70
▲	1	004	20D005	B*0702/03/10/+	-	B*1527	B*4006	B*1528	B*5201/04/05	B*1527	B*4006	B*1505/3532/+	B*5101/5202/+	B*1527	B*4006
	2	004	20D013	B*0702/03/10/+	-	B*1527	B*4006	B*1528	B*5201/04/05	B*1527	B*4006	B*1505/3532/+	B*5101/5202/+	B*1527	B*4006
	3	004	20D039	B*0702/03/10/+	-	B*1527	B*4006	B*1528	B*5201/04/05	B*1527	B*4006	B*1505/39	B*5101/09/11N/+	B*1527	B*4006
	4	004	20D050	B*0702/03/10/+	-	B*1527	B*4006	B*1528	B*5201/04/05	B*1527	B*4006	B*1505/39	B*5101/09/18/+	B*1527	B*4006
	5	004	20D054	B*0702/03/10/+	-	B*1527	B*4006	B*1528	B*5201/04/05	B*1527	B*4006	B*1505/39	B*5101/09/11/+	B*1527	B*4006
	6	004	20D055	*07	-	*1527	*400601	*1528	*5201/04/05	*1527	*400601	*1505/39	*51	*1527	*400601

表. HLA-Cw座判定結果一覧

HLA-Cw locus				H2001	H2002	H2003	H2004	H2005	H2006						
使用キット	#	Lot	施設コード	DNA型	DNA型	DNA型	DNA型	DNA型	DNA型						
●	1	G001	20D007	Cw*0702/03/05/+	-	Cw*0401/05/07/+	Cw*0801/08/11	Cw*0303/20/22/+	Cw*1202	Cw*0401/05/07/+	Cw*0801/08/11	Cw*0702/03/05/+	Cw*1402/04/06/+	Cw*0401/05/07/+	Cw*0801/08/11
	2	G002	20D020	Cw*0702/03/05/+	-	Cw*0401/05/07/+	Cw*0801/08/10/+	Cw*0303/20/22/+	Cw*1202	Cw*0401/05/07/+	Cw*0801/08/10/+	Cw*0702/03/05/+	Cw*1402/04/07	Cw*0401/05/07/+	Cw*0801/08/10/+
	3	G002	20D023	*0701/02/03/+	-	*0401/05/07+	*0801/04/08/+	*0303/13/+	*1202/03/08/+	*0401/05/07+	*0801/04/08/+	*0701/02/03/+	*1402/06/09/+	*0401/05/07+	*0801/04/08/+
	4	G002D	20D041	C*0702/03/05/+	-	C*0401/05/07/+	C*0801/08/11/+	C*0303/20/22/+	C*1202/-	C*0401/05/07/+	C*0801/08/11/+	C*0702/03/05/+	C*1402/04/07/+	C*0401/05/07/+	C*0801/08/11/+
	5	G002	20D042	Cw*0702/03/05//+	-	Cw*0401/05/07//+	Cw*0801/08/11	Cw*0303/20/22//+	Cw*1202	Cw*0401/05/07//+	Cw*0801/08/11	Cw*0702/03/05//+	Cw*1402/04/07	Cw*0401/05/07//+	Cw*0801/08/11
	6	H001	20D013	Cw*0702/03/05/+	-	Cw*0401/05/07/+	Cw*0801/08/10/+	Cw*0303/20/22/+	Cw*1202	Cw*0401/05/07/+	Cw*0801/08/10/+			Cw*0401/05/07/+	Cw*0801/08/10/+
	7	H001	20D016	Cw*0702/03/05/+	-	Cw*0401/05/07/+	Cw*0801/08/10/+	Cw*0303/20/22/+	Cw*1202	Cw*0401/05/07/+	Cw*0801/08/10/+	Cw*0702/03/05/+	Cw*1402/04/07	Cw*0401/05/07/+	Cw*0801/08/10/+
	8	H001	20D046	HLA-Cw*0702/03/05+	-	HLA-Cw*0401/05/07+	HLA-Cw*0801/08/10/+	HLA-Cw*0303/20N/22Q/+	HLA-Cw*1202	HLA-Cw*0401/05/07+	HLA-Cw*0801/08/10/+	HLA-Cw*0702/03/05/+	HLA-Cw*1402/04/06/+	HLA-Cw*0401/05/07/+	HLA-Cw*0801/08/10/+
■	1	007	20D022	Cw*0702/05/13/+	-	Cw*0401/05/07/+	Cw*0801/08	Cw*0303/11/12/+	Cw*1202/17	Cw*0401/05/07/+	Cw*0801/08	Cw*0705/27	Cw*1402/07/08	Cw*0401/05/07/+	Cw*0801/08
	2	007	20D025	Cw*0702/13/23/+	Cw*0702/05/13/+	Cw*0401/05/07/+	Cw*0801/08	Cw*0303/11/12/+	Cw*1202/17	Cw*0401/05/07/+	Cw*0801/08	Cw*0702/13/29/+	Cw*1402/04/07/+	Cw*0401/05/07/+	Cw*0801/08
	3	007	20D035	Cw*0702/13/23/+	Cw*0702/05/13/+	Cw*0401/05/07/+	Cw*0801/08	Cw*0303/11/12	Cw*1202	Cw*0401/05/07/+	Cw*0801/08	Cw*0702/13/29	Cw*1402	Cw*0401/05/07/+	Cw*0801/08
	4	007	20D051	Cw*0702/05/13/+	-	Cw*0401/05/07/+	Cw*0801/08	Cw*0303/11/12/+	Cw*1202/17	Cw*0401/05/07/+	Cw*0801/08	Cw*0702/13/29/+	Cw*1402/04/07/+	Cw*0401/05/07/+	Cw*0801/08
	5	007	20D052	Cw*0702/13/23/+	-	Cw*0401/05/07/+	Cw*0801/08	Cw*0303/11/12/+	Cw*1202/17	Cw*0401/05/07/+	Cw*0801/08	Cw*0702/13/29/+	Cw*1402/04/07/+	Cw*0401/05/07/+	Cw*0801/08
	6	008	20D045	Cw*0702/05/13/+	-	Cw*0401/05/07/+	Cw*0801/08	Cw*0303/11/12/+	Cw*1202/17	Cw*0401/05/07/+	Cw*0801/08	nd		nd	
▲	1	004	20D013	Cw*0702/03/05/+	-	Cw*0401/05/07/+	Cw*0801/08/10	Cw*0303/13	Cw*1202/10	Cw*0401/05/07/+	Cw*0801/08/10	Cw*0702/03/05/+	Cw*1402/04/05	Cw*0401/05/07/+	Cw*0801/08/10
	2	004	20D039	C*0702/03/05/+	-	Cw*0401/05/07/+	Cw*0801/08	Cw*0303/13	Cw*1202/10	Cw*0401/05/07/+	Cw*0801/08	Cw*0702/03/05/+	Cw*1402/04/05	Cw*0401/05/07/+	Cw*0801/08
	3	004	20D050	Cw*0702/03/05/+	-	Cw*0401/05/07/+	Cw*0801/08/10	Cw*0303/13	Cw*1202/10	Cw*0401/05/07/+	Cw*0801/08/10	Cw*0702/03/05/+	Cw*1402/04/05	Cw*0401/05/07/+	Cw*0801/08/10
	4	004	20D055	*07	-	*04	*08	*0303/13	*1202/10	*04	*08	*07	*14	*04	*08
	5	005	20D005	C*0702/03/05/+	-	C*0401/05/07/+	C*0801/08/10	C*0303/13	C*1202/10	C*0401/05/07/+	C*0801/08/10	C*0702/03/05/+	C*1402/04/05	C*0401/05/07/+	C*0801/08/10

表. HLA-DR座判定結果一覧

HLA-DR locus				H2001	H2002	H2003	H2004	H2005	H2006						
使用キット	#	Lot	施設コード	DNA型	DNA型	DNA型	DNA型	DNA型	DNA型						
●	1	G002D	20D041	DRB1*0101/07/08/+	DRB1*0406/20	DRB1*0901/05/06	DRB1*0405/29/30/+	DRB1*0901/05	DRB1*0406/20	DRB1*0901/05/06	DRB1*08/13	DRB1*1406/52	DRB1*0406/20	DRB1*0901/05/06	
	2	G003	20D007	DRB1*0101/07/08/+	DRB1*0406/20	DRB1*0901/05/06	DRB1*0405/29/30/+	DRB1*0901/05	DRB1*0406/20	DRB1*0901/05/06	DRB1*08/13	DRB1*1406/52	DRB1*0406/20	DRB1*0901/05/06	
	3	G003	20D046	HLA-DRB1*1101/07/08/+	HLA-DRB1*0406/20	HLA-DRB1*0901/05/06	HLA-DRB1*0405/29/30/+	HLA-DRB1*0901/05	HLA-DRB1*0406/20	HLA-DRB1*0901/05/06/+	HLA-DRB1*0802/07/11/+	HLA-DRB1*1406/52	HLA-DRB1*0406/20	HLA-DRB1*0901/05/06	
	4	G003	20D049	DRB1*0101/07/08/+	DRB1*0406/20	DRB1*0901/05/06	DRB1*0405/29/30/+	DRB1*0901/05	DRB1*0406/20	DRB1*0901/05/06	DRB1*0802/1347/+	DRB1*1406/52	DRB1*0406/20	DRB1*0901/05/06	
	5	H001	20D005	DRB1*0101/07/08/+	DRB1*0406/20/65	DRB1*0901/05/06	DRB1*0405/29/30/+	DRB1*0901/05	DRB1*0406/20/65	DRB1*0901/05/06	DRB1*0802/1347/+	DRB1*1406/52	DRB1*0406/20/65	DRB1*0901/05/06	
	6	H001	20D013	DRB1*0101/07/08/+	DRB1*0406/20/65	DRB1*0901/05/06	DRB1*0405/29/30/+	DRB1*0901/05	DRB1*0406/20/65	DRB1*0901/05/06	DRB1*0802/1347/+	DRB1*1406/52	DRB1*0406/20/65	DRB1*0901/05/06	
	7	H001	20D016	DRB1*0101/07/08/+	DRB1*0406/20/65	DRB1*0901/05/06	DRB1*0405/29/30/+	DRB1*0901/05	DRB1*0406/20/65	DRB1*0901/05/06	DRB1*08/13	DRB1*1406/52	DRB1*0406/20/65	DRB1*0901/05/06	
	8	H001	20D020	DRB1*0101/07/08/+	DRB1*0406/20/65	DRB1*0901/05/06	DRB1*0405/29/30/+	DRB1*0901/05	DRB1*0406/20/65	DRB1*0901/05/06	DRB1*08/13	DRB1*1406/52	DRB1*0406/20/65	DRB1*0901/05/06	
	9	H001	20D023	*0101/02/04/+	*0406/20/21/+	*0901/02/03/+	*0404/05/08/+	*0901/02//03/+	*0406/20/21/+	*0901/02/03/+	*1402/06/09/+	*0801/02/03/+	*0406/20/21/+	*0901/02/03/+	
	10	H001	20D042	DRB1*0101/07/08//+	DRB1*0406/65	DRB1*0901/05	DRB1*0405/29/30//+	DRB1*0901/05	DRB1*0406/65	DRB1*0901/05	DRB1*0802/07/11	DRB1*1406	DRB1*0406/65	DRB1*0901/05	
■	1	011	20D025	DRB1*0101/05/07/+	DRB1*0406	DRB1*0901/04/05	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406	DRB1*0901/04/05	DRB1*0802/1347	DRB1*1406/52	DRB1*0406	DRB1*0901/04/05	
	2	012	20D022	DRB1*0101/05/07/+	DRB1*0406	DRB1*0901/04/05	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406	DRB1*0901/04/05	DRB1*0802/1347	DRB1*1406/52	DRB1*0406	DRB1*0901/04/05	
	3	012	20D044	DRB1*0101/05/07/+	DRB1*0406	DRB1*0901/04/05	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406	DRB1*0901/04/05					
	4	RSSO2B1_012	20D048	DRB1*0101/05/07/+	DRB1*0406	DRB1*0901/04/05	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406	DRB1*0901/04/05	DRB1*0802/1347	DRB1*1406/52	DRB1*0406	DRB1*0901/04/05	
	5	012	20D051	DRB1*0101/05/07/+	DRB1*0406	DRB1*0901/04/05	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406	DRB1*0901/04/05	DRB1*0802	DRB1*1406	DRB1*0406	DRB1*0901/04/05	
	6	012	20D052	DRB1*0101/05/07/+	DRB1*0406	DRB1*0901/04/05	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406	DRB1*0901/04/05	DRB1*0802/1347	DRB1*1406/52	DRB1*0406	DRB1*0901/04/05	
	7	013	20D045	DRB1*0101	DRB1*0406	DRB1*0901	DRB1*0405	DRB1*0901	DRB1*0406	DRB1*0901	DRB1*08/13	DRB1*14	DRB1*0406	DRB1*0901	
	8	013	20D058	DRB1*0101/05/07/+	DRB1*-	DRB1*0406	DRB1*0901/04/05	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406	DRB1*0901/04/05	DRB1*0807/11	DRB1*1406	DRB1*0406	DRB1*0901/04/05
	9	DRB1*0101/05/07/+	20D035	DRB1*0101/05/07/+	DRB1*0101/05/07/+	DRB1*0406	DRB1*0901/04/05	DRB1*0405/29/30/45	DRB1*0901/04/05	DRB1*0406	DRB1*0901/04/05	DRB1*0802	DRB1*1406	DRB1*0406	DRB1*0901/04/05
▲	1	002	20D050	DRB1*0101/07/11/+	DRB1*0406/20/49	DRB1*0901/04/05/+	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406/20/49	DRB1*0901/04/05/+	DRB1*0802/07/11	DRB1*1406	DRB1*0406/20/49	DRB1*0901/04/05/+	
	2	002	20D054	DRB1*0101/07/11/+	DRB1*0406/20/49	DRB1*0901/04/05/+	DRB1*0405/29/30/+	DRB1*0901/04/05	DRB1*0406/20/49	DRB1*0901/04/05/+	DRB1*0802/07/11	DRB1*1406	DRB1*0406/20/49	DRB1*0901/04/05/+	
	3	004	20D013	DRB1*0101/05/07/+	DRB1*0406/49	DRB1*0901/02/04	DRB1*0405/29/30/+	DRB1*0901/02/04	DRB1*0406/49	DRB1*0901/02/04	DRB1*0802/07/11	DRB1*1406	DRB1*0406/49	DRB1*0901/02/04	
	4	004	20D039	DRB1*0101/11	DRB1*0406/49	DRB1*0901/04	DRB1*0405/29/30/+	DRB1*0901/04	DRB1*0406/49	DRB1*0901/04	DRB1*0802/07/11	DRB1*1406	DRB1*0406/49	DRB1*0901/04	
	5	004	20D055	*01	*0406/49	*0901/02/04	*0405/29/30+	*0901/02/04	*0406/49	*0901/02/04	*0802/07/11	*1406	*0406/49	*0901/02/04	
	6	005	20D005	DRB1*0101/05/07/+	DRB1*0406/49	DRB1*0901/02/04	DRB1*0405/29/30/+	DRB1*0901/02/04	DRB1*0406/49	DRB1*0901/02/04	DRB1*0802/07/11	DRB1*1406	DRB1*0406/49	DRB1*0901/02/04	

表. HLA-DQ座判定結果一覧

HLA-DQ locus				H2001		H2002		H2003		H2004		H2005		H2006	
使用キット	#	Lot	施設コード	DNA型		DNA型		DNA型		DNA型		DNA型		DNA型	
●	1	H001	20D016	DQB1*0501	-	DQB1*0302/03/07/+	-	DQB1*0303/12/15	DQB1*0401	DQB1*0302/03/07/+	-	DQB1*0301/09/13/+	DQB1*0402	DQB1*0302/03/07/+	-
	2	G001	20D046	*0501	-	*0302/03/07/+	*0303/07/12/+	*0303/12/15/+	*0401	*0302/03/07/+	*0303/07/12/+	*0301/09/13/+	*0402	*0302/03/07/+	*0303/07/12/+
■	1	003	20D045	DQB1*0501	-	DQB1*0302	DQB1*0303/20	DQB1*0303/20	DQB1*0401	DQB1*0302	DQB1*0303/20	DQB1*0301/19/21	DQB1*0402	DQB1*0302	DQB1*0303/20
	2	008	20D022	DQB1*0501	-	DQB1*0302/18	DQB1*0303/12/15/+	DQB1*0303/12/15/+	DQB1*0401	DQB1*0302/18	DQB1*0303/12/15/+	DQB1*0301/09/19	DRQB1*0402	DQB1*0302/18	DRQB1*0303/12/15/+
	3	008	20D035	DQB1*0501	-	DQB1*0302/18	DQB1*0303/12/15	DQB1*0303/12/15	DQB1*0401	DQB1*0302/18	DQB1*0303/12/15	DQB1*0301/09/19	DQB1*0402	DQB1*0302/18	DQB1*0303/12/15
	4	008	20D051	DQB1*0501	-	DQB1*0302/18	DQB1*0303/12/15/+	DQB1*0303/12/15/+	DQB1*0401	DQB1*0302/18	DQB1*0303/12/15/+	DQB1*0301/09/19	DQB1*0402	DQB1*0302/18	DQB1*0303/12/15/+
	5	008	20D052	DQB1*0501	-	DQB1*0302/18	DQB1*0303/12/15	DQB1*0303/12/15	DQB1*0401	DQB1*0302/18	DQB1*0303/12/15	DQB1*0301/09/19	DQB1*0402	DQB1*0302/18	DQB1*0303/12/15

表. HLA-DP座判定結果一覧

HLA-DP locus				H2001	H2002	H2003	H2004	H2005	H2006						
使用キット	#	Lot	施設コード	DNA型	DNA型	DNA型	DNA型	DNA型	DNA型						
●	1	H001	20D016	DPB1*0402/0602/+	-	DPB1*0501/9701	-	DPB1*0501/9701	-	DPB1*0102/0201/+	DPB1*0501/9701/+	DPB1*0501/9701	-		
	2	H001	20D046	*0402/0602/+	-	*0501/9701	-	*0501/9701	-	*0102/0201/+	*0501/1601/+	*0501/9701	-		
■	1	003	20D035	DPB1*0402/0602/+	DPB1*0402/0602/+	DPB1*0501	-	DPB1*0501	-	DPB1*0501	-	DPB1*0102/0201/1802	DPB1*0501/1601	DPB1*0501	-
	2	003	20D045	コメント参照		DPB1 * 0501	-	DPB1 * 0501	-	DPB1 * 0501	-	コメント参照		DPB1 * 0501	-

H2001の候補は、DPB1*0402,'-
 DPB1*0402,DPB1*0602
 DPB1*0402,DPB1*7701
 DPB1*0402,DPB1*8201
 DPB1*0402,DPB1*9401
 DPB1*0602,'-
 DPB1*7701,DPB1*0602
 DPB1*8201,DPB1*0602
 DPB1*9401,DPB1*0602
 DPB1*0402,DPB1*0602
 DPB1*7701,DPB1*9401
 DPB1*8201,'-

H2005の候補は、DPB1*0102,16
 DPB1*0201,DPB*0501
 DPB1*1802,DPB1*0501

施設ID	kit	A			B			Cw			Class I				
		P/N	PCR精度1	PCR精度2	P/N	PCR精度1	PCR精度2	P/N	PCR精度1	PCR精度2	P/N	PCR精度1	PCR精度2	評価	
D005	●	3.8	5.0	4.8	4.2	5.0	4.2				4.0	5.0	4.5	9.0	8.5
	▲	3.1	4.0		3.4	4.3		3.6	3.7		3.3	4.0		7.3	
	総合	3.5	4.5	4.8	3.8	4.7	4.2	3.6	3.7		3.6	4.3	4.5	7.9	8.1
D007	●	2.8	5.0	4.5	3.7	5.0	3.8	3.8	3.0	4.3	3.4	4.3	4.2	7.8	7.6
D013	●	3.7	5.0	4.8	3.9	4.3	4.2	3.1	3.0	2.7	3.5	4.1	3.9	7.7	7.4
	▲	3.3	5.0		3.6	4.3		3.4	3.7		3.4	4.3		7.8	
	総合	3.5	5.0	4.8	3.7	4.3	4.2	3.2	3.3		3.5	4.2	4.5	7.7	8.0
D016	●	3.6	5.0	4.8	4.1	4.7	3.0	3.3	3.3	4.7	3.7	4.3	4.2	8.0	7.8
D020	●	3.6	5.0	4.8	4.1	4.7	4.2	3.7	2.7	4.2	3.8	4.1	4.4	7.9	8.2
D023	●	3.1	5.0	4.7	3.6	4.7	3.8	3.3	2.0	3.0	3.4	3.9	3.8	7.2	7.2
D041	●	3.8	4.3	4.8	3.7	4.7	3.8	4.0	2.7	2.8	3.8	3.9	3.8	7.7	7.7
D042	●	3.3	4.7	4.2	4.1	4.0	4.0	3.8	2.3	3.5	3.7	3.7	3.9	7.4	7.6
D046	●	3.9	5.0	4.5	4.1	5.0	3.7	3.1	3.7	4.3	3.7	4.6	4.2	8.2	7.8
D049	●	3.3	4.7	4.7	3.7	4.7	4.0				3.5	4.7	4.3	8.2	7.8
D035	■	3.9	1.5		3.7	2.3		3.5	2.7		3.7	2.2		5.9	
D025	■	3.3	4.3		3.5	4.7		3.1	4.3		3.3	4.4		7.7	
D022	■	3.9	1.3		3.6	2.7		3.3	4.7		3.6	2.9		6.5	
D044	■	4.1	2.0		3.8	3.0					4.0	2.5		6.5	
D045	■	4.2	2.2		3.9	3.5		4.3	5.0		4.1	3.6		7.7	
D048	■	3.1	2.3		3.4	2.0					3.3	2.2		5.4	
D051	■	3.5	1.3		3.2	2.0		3.4	4.0		3.4	2.4		5.8	
D052	■	4.3	1.0		3.8	4.0		3.4	5.0		3.9	3.3		7.2	
D058	■	3.9	2.7		3.3	2.3					3.6	2.5		6.1	
D039	▲	2.7	4.0		3.0	3.3		3.0	4.0		2.9	3.8		6.7	
D050	▲	3.3	4.7		3.4	4.3		3.3	3.7		3.3	4.2		7.6	
D054	▲	2.7	4.7		2.9	4.7					2.8	4.7		7.5	
D055	▲	3.1	4.7		3.2	4.3		3.5	4.0		3.2	4.3		7.6	

施設ID		DRB1		DQB1		DPB1		Class II		
		P/N	PCR精度	P/N	PCR精度	P/N	PCR精度	P/N	PCR精度	評価
D005	●	3.6	3.0					3.6	3.0	6.6
	▲	3.5	5.0					3.5	5.0	8.5
	総合	3.6	4.0					3.6	4.0	7.6
D007	●	3.9	4.0					3.9	4.0	7.9
D013	●	3.5	2.7					3.5	2.7	6.1
	▲	3.8	5.0					3.8	5.0	8.8
	総合	3.6	3.8					3.6	3.8	7.5
D016	●	3.7	4.0	4.0	4.8	4.3	3.7	4.0	4.2	8.2
D020	●	3.8	2.7					3.8	2.7	6.4
D023	●	3.1	4.0					3.1	4.0	7.1
D041	●	4.6	4.3					4.6	4.3	8.9
D042	●	3.4	3.0					3.4	3.0	6.4
D046	●	4.6	5.0	4.0	4.8	5.0	3.6	4.5	4.5	9.0
D049	●	4.3	4.0					4.3	4.0	8.3
D035	■	3.8	5.0	4.2	4.8	3.9	5.0	4.0	4.9	8.9
D025	■	2.9	5.0					2.9	5.0	7.9
D022	■	3.4	5.0	4.1	5.0			3.7	5.0	8.7
D044	■	2.9	5.0					2.9	5.0	7.9
D045	■	4.1	5.0	4.2	5.0	3.8	5.0	4.0	5.0	9.0
D048	■	3.2	5.0					3.2	5.0	8.2
D051	■	3.6	5.0	4.0	5.0			3.8	5.0	8.8
D052	■	3.5	5.0	3.7	5.0			3.6	5.0	8.6
D058	■	4.0	5.0					4.0	5.0	9.0
D039	▲	3.0	2.7					3.0	2.7	5.6
D050	▲	3.2	2.3					3.2	2.3	5.5
D054	▲	3.3	2.3					3.3	2.3	5.6
D055	▲	3.2	4.7					3.2	4.7	7.9

施設ID		総合評価	
20D005	●	15.6	15.1
	▲	15.9	
	総合	15.4	15.7
20D007	●	15.6	15.5
20D0013	●	13.8	13.6
	▲	16.5	
	総合	15.2	15.4
20D0016	●	16.2	16.0
20D0020	●	14.3	14.6
20D0023	●	14.4	14.3
20D0041	●	16.6	16.5
20D0042	●	13.8	14.0
20D0046	●	17.2	16.8
20D0049	●	16.4	16.1
D035	■	14.8	
D025	■	15.6	
D022	■	15.3	
D044	■	14.4	
D045	■	16.7	
D048	■	13.7	
D051	■	14.6	
D052	■	15.8	
D058	LT	15.1	
20D039	▲	12.3	
20D050	▲	13.1	
20D054	▲	13.1	
20D055	▲	15.5	

評価法

PCR精度: HLA-class Iの場合exon 2と3を増幅し、タイピングに用いる。probeは両方の領域に存在し、かつsense側またはanti-sense側をターゲットとしている。精度良い検査を行うには両方のexonがバランスよく増幅されかつ、各exonのsense、anti-senseの増幅もバランスが保たれていることが望ましい。PCRの精度を評価するため、exon2とexon3の陽性コントロール比を用いた[sense、anti-senseに対するコントロールが含まれるキットは次の計算式を用いた: exon2 (sense+antisense) ÷ exon 3 (sense+antisense)]。得られた比が0.8-1.2 =5点、0.49< >0.79=3点、1.21<>1.51=3点、それ以外を1点と得点を与えた。施設ごとに得点を計算し加算後、実施検体数で割り施設の得点とした。

[PCR精度*]:Sense、anti-senseに対するコントロールがあるキットでは[PCR精度*]に各exonのsenseとantisenseの比とexon2と3の比を総合評価した場合の得点を示している。

P/N:Hybridization法の評価のため、施設ごとのP/N [計算法は前年度と同様、全検査検体で陽性と陰性を示したprobeが評価可能なprobeであり、(陽性と判定された蛍光値の最小値) ÷ (陰性と判定された蛍光値の最大値)=P/N]値を算出し、P/N>100 =5点 100-50 =4点 50-10 =3点 10-3 =2点 3> = 1点と得点を与えた。

施設ごとに評価できるprobeのP/Nの得点を加算し、平均値を得点とした。

kit		A			B			Cw			Class I			評価	
		P/N比	PCR 精度	PCR 精度*	P/N比	PCR 精度	PCR 精度*	P/N比	PCR 精度	PCR 精度*	P/N比	PCR 精度	PCR 精度*	total	total*
●	total	2.1	4.9	4.7	2.8	4.7	3.9	2.1	2.8	3.7	2.3	4.1	4.1	6.5	6.4
	DNA	2.4	4.9	4.7	3.0	4.8	4.1	2.3	3.2	4.1	2.6	4.3	4.3	6.9	6.9
	filter	2.3	4.8	4.7	2.4	4.4	3.4	2.6	2.6	3.4	2.4	3.9	3.8	6.4	6.2
■	total	2.8	2.1		2.6	2.9		2.5	4.3		2.6	3.1		5.7	
	DNA	3.1	2.1		2.7	3.2		2.9	4.1		2.9	3.1		6.0	
	filter	3.0	1.8		2.9	2.1		2.8	3.7		2.9	2.5		5.4	
▲	total	2.4	4.5		2.6	4.2		2.7	3.8		2.6	4.2		6.8	
	DNA	2.6	4.7		2.9	4.3		2.7	3.7		2.7	4.2		7.0	
	filter	2.3	4.4		2.7	4.1		3.0	3.8		2.7	4.1		6.8	

kit		DRB1		DQB1		DPB1		Class II		評価
		P/N比	PCR 精度	P/N比	PCR 精度	P/N比	PCR 精度	P/N比	PCR 精度	total
●	total	2.3	3.7	4.6	4.0	3.4	4.7	3.4	4.1	7.5
	DNA	3.0	3.4	4.8	3.5	4.0	5.0	4.0	4.0	7.9
	filter	2.4	2.9	4.8	4.0	4.0	4.0	3.7	3.6	7.4
■	total	2.4	5.0	3.6	5.0	3.5	5.0	3.1	5.0	8.1
	DNA	2.4	4.6	3.5	4.9	4.4	5.0	3.4	4.8	8.2
	filter	2.8	4.2	3.7	4.7	3.6	5.0	3.4	4.6	8.0
▲	total	3.0	3.7					3.0	3.7	6.6
	DNA	3.1	3.5					3.1	3.5	6.6
	filter	3.1	3.7					3.1	3.7	6.8

kit		総合評価	
wak	total	14.0	13.9
	filter	14.8	14.8
	DNA	13.8	13.6
LT	total	13.9	
	filter	14.3	
	DNA	13.4	
J	total	13.4	
	filter	13.5	
	DNA	13.6	

評価法

PCR精度: HLA-class Iの場合 exon 2と3を増幅し、タイピングに用いる。probeは両方の領域に存在し、かつsense側またはanti-sense側をターゲットとしている。精度良い検査を行うには両方のexonがバランスよく増幅されかつ、各exonのsense、anti-senseの増幅もバランスが保たれていることが望ましい。PCRの精度を評価するため、exon2とexon3の陽性コントロール比を用いた[sense、anti-senseに対するコントロールが含まれるキットは次の計算式を用いた:

$\text{exon2 (sense+antisense)} \div \text{exon 3 (sense+antisense)}$ 。得られた比が0.8-1.2 =5点、0.49< >0.79=3点、1.21<>1.51=3点、

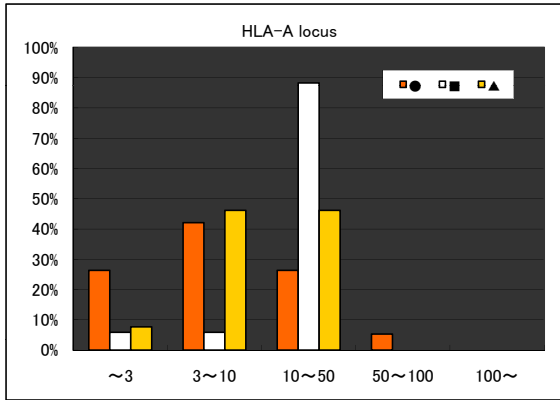
それ以外を1点と得点を与えた。施設ごとに得点を計算し加算後、実施検体数で割り施設の得点とした。

Sense、anti-senseに対するコントロールがあるキットでは〔〕内に各exonのsenseとantisenseの比とexon2と3の比を総合評価した場合の得点を示している。

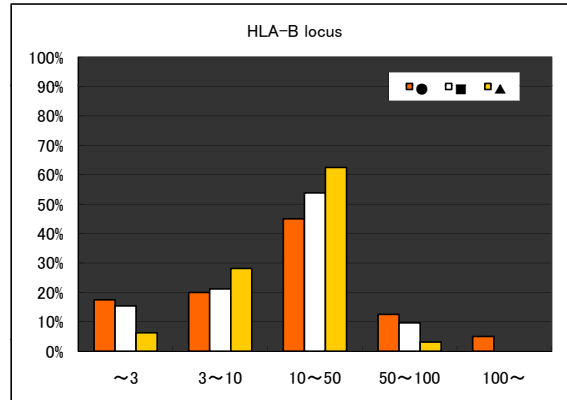
P/N: Hybridization法の評価のため、施設ごとのP/N〔計算法は前年度と同様、全検査検体で陽性と陰性を示した

probeが評価可能なprobeであり、(陽性と判定された蛍光値の最小値)÷(陰性と判定された蛍光値の最大値)=P/N]値を算出し、

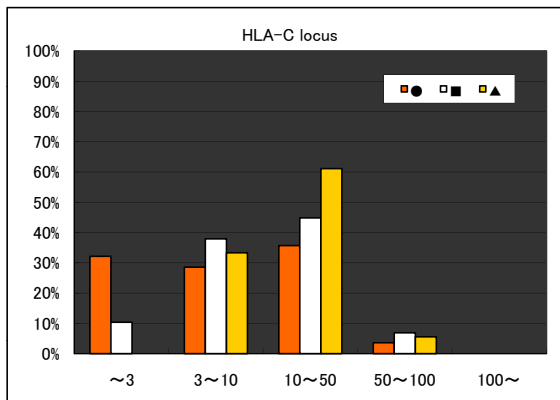
P/N>4.9 =5点 1-4.9 =3点 1> =1点と得点を与えた。施設ごとに評価できるprobeのP/Nの得点を加算し、平均値を得点とした。



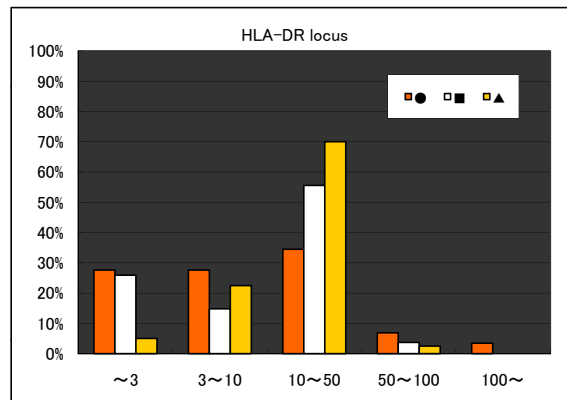
	●	■	▲
検定率	26%	20%	27%
検定プローブ	19	17	13
総プローブ	74	85	48



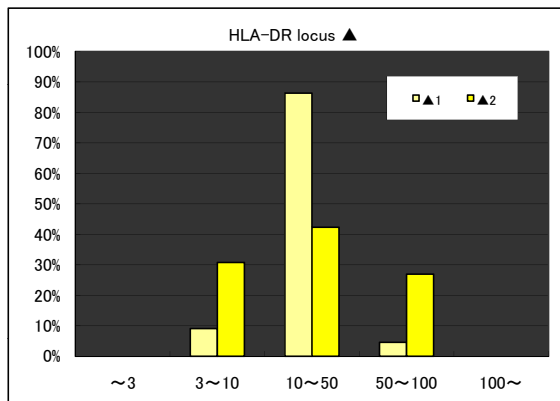
	●	■	▲
検定率	43%	52%	48%
検定プローブ	40	52	32
総プローブ	93	100	67



	●	■	▲
検定率	52%	52%	53%
検定プローブ	28	29	18
総プローブ	54	56	34



	●	■	▲
検定率	40%	36%	45%
検定プローブ	29	27	40
総プローブ	72	76	88



	▲1	▲2
検定率	42%	46%
検定プローブ	22	26
総プローブ	53	57

▲では、ロットにおいて大きな違いが見られた。
 ▲1と▲2の共通プローブ「43(▲1反応18,▲2反応20)」に対して、▲1特有のプローブが「9(反応4)」、▲2特有のプローブが「16(6)」確認された。
 ▲トータルとしてのkitの評価は、他のkitとの比較のため、統合的なものとしたが、
 ▲1と▲2の差に顕著な点が見られたため、別グラフにまとめた。