Names for alleles encoding weak D phenotypes v4.0 170110

Phenotype	Allele name	Nucleotide Change(s)	Exon	AminoAcid change(s)	Allele Name Detail	Comments
Type 1	***RHD*01W.1*** ***RHD*weak D type 1***	c.809T>G	6	p.Val270Gly	*RHD*809G*	
Type 1.1	***RHD*01W.1.1*** ***RHD*weak D type 1.1***	c.52C>G c.809T>G	1, 6	p.Leu18Val p.Val270Gly	*RHD*52G, 809G*	
Type1.2	***RHD*01W.1.2*** ***RHD*weak D type 1.2***	c.712G>A c.809T>G	5,6	p.Val238Met p.Val270Gly	*RHD*712A, 809G*	
Type 2	***RHD*01W.2*** ***RHD*weak D type 2***	c.1154G>C	9	p.Gly385Ala	*RHD*1154C*	Splice site change also
Type 2.1	***RHD*01W.2.1*** ***RHD*weak D type 2.1***	c.301T>A c.1154 G>C	2 9	p.Phe101Ile p.Gly385Ala	*RHD*301T,1154C*	
Type2.2	***RHD*01W.2.2*** ***RHD*weak D type 2.2***	c.916G>A c.932A>G c.1154G>C	6,9	p.Val306Ile p.Tyr311Cys p.Gly385Ala	*RHD*916A, 932G, 1154C*	
Type 3	***RHD*01W.3*** ***RHD*weak D type 3***	c.8C>G	1	p.Ser3Cys	*RHD*8G*	
Type3.1	***RHD*01W.3.1*** ***RHD*weak D type 3.1***	c.8C>G c.178A>C	1,2	p.Ser3Cys p.Ile60Leu	*RHD*8G, 178C*	
Type 4.0, 4.1, 4.2, 4.2.2 weak partial	****See partial DAR*** ***RHD*09.03, 04, 05*** ***RHD*weak partial 4***					
Type 5	***RHD*01W.5*** ***RHD*weak D type 5***	c.446C>A	3	p.Ala149Asp	*RHD*446A*	
Type 6	***RHD*01W.6*** ***RHD*weak D type 6***	c.29G>A	1	p.Arg10Gln	*RHD*29A*	
Type 7	***RHD*01W.7*** ***RHD*weak D type 7***	c.1016G>A	7	p.Gly339Glu	*RHD*1016A*	
Type 8	***RHD*01W.8*** ***RHD*weak D type 8***	c.919G>A	6	p.Gly307Arg	*RHD*919A*	
Type 9	***RHD*01W.9*** ***RHD*weak D type 9***	c.880G>C	6	p.Ala294Pro	*RHD*880C*	
Type 10	***RHD*01W.10*** ***RHD*weak D type 10***	c.1177T>C	9	p.Trp393Arg	*RHD*1177C*	
Type 10.1	***RHD*01W.10.1*** ***RHD*weak D type 10.1***	c.1145T>C c.1177T>C	8 9	p.Leu382Pro p.Trp393Arg	*RHD*1145C, 1177C,*	
Type 10.2	***RHD*01W.10.2*** ***RHD*weak D type 10.2***	c.1177T>C c.1199A>C	9	p.Trp393Arg p.Lys400Thr	*RHD*1177C,1199C*	
Type 11 weak partial or Del phenotype	***See partial RHD*11***	c.885G>T	6	p.Met295Ile	*RHD*885T*	allo-anti-D reported Del phenotype when with Ce
Type 12	***RHD*01W.12*** ***RHD*weak D type 12***	c.830G>A	6	p.Gly277Glu	*RHD*830A*	
Type 13	***RHD*01W.13*** ***RHD*weak D type 13***	c.826G>C	6	p.Ala276Pro	*RHD*826C*	
Type 14	***RHD*01W.14*** ***RHD*weak D type 14***	c.544T>A c.594A>T c.602C>G	4	p.Ser182Thr p.Lys198Asn p.Thr201Arg	*RHD*544A, 594T, 602G*	
Type 15 weak partial phenotype	***See partial RHD*15***					allo-anti-D reported
Type 16	***RHD*01W.16*** ***RHD*weak D type 16***	c.658T>C	5	p.Trp220Arg	*RHD*658C*	

Names for alleles encoding weak D phenotypes v4.0 170110

Phenotype	Allele name	Nucleotide Change(s)	Exon	AminoAcid change(s)	Allele Name Detail	Comments
Type 17	***RHD*01W.17*** ***RHD*weak D type 17***	c.340C>T	3	p.Arg114Trp	*RHD*340T*	
Type 18	***RHD*01W.18*** ***RHD*weak D type 18***	c.19C>T	1	p.Arg7Trp	*RHD*19T*	
Type 19	***RHD*01W.19*** ***RHD*weak D type 19***	c.611T>C	4	p.Ile204Thr	*RHD*611C*	
Type 20	***RHD*01W.20*** ***RHD*weak D type 20***	c.1250T>C	10	p.Phe417Ser	*RHD*1250C*	
Type 21	***See partial RHD*21***					allo-anti-D reported
Type 22	***RHD*01W.22*** ***RHD*weak D type 22***	c.1224G>C	9	p.Trp408Cys	*RHD*1224C*	
Type 23	***RHD*01W.23*** ***RHD*weak D type 23***	c.634G>T	4	p.Gly212Cys	*RHD*634T*	
Type 24	***RHD*01W.24*** ***RHD*weak D type 24***	c.1013T>C	7	p.Leu338Pro	*RHD*1013C*	
Type 25	***RHD*01W.25*** ***RHD*weak D type 25***	c.341G>A	3	p.Arg114Gln	*RHD*341A*	
Type 26	***RHD*01W.26*** ***RHD*weak D type 26***	c.26T>A	1	p.Val9Asp	*RHD*26A*	
Type 27	***RHD*01W.27*** ***RHD*weak D type 27***	c.661C>T	5	p.Pro221Ser	*RHD*661T*	
Type 28	***RHD*01W.28*** ***RHD*weak D type 28***	c.1152A>C	8	p.Thr384Thr	*RHD*1152C*	Splice site change only
Type 29	***RHD*01W.29*** ***RHD*weak D type 29***	c.178A>C c.201G>A c.203G>A c.594A>T c.667T>G c.744C>T c.957G>A c.1025T>C	2, 4, 5, 7	p.Ile60Leu silentp.Ser68Asn p.Lys198Asn p.Phe223Val silent silent p.Ile342Thr	*RHD*178C, 201A, 203A, 594T, 667G, 744T, 957A, 1025C*	
Type 30	***RHD*01W.30*** ***RHD*weak D type 30***	c.1018_1019 delinsAT	7	p.Glu340Met	*RHD*1018_1019delinsAT*	
Type 31	***RHD*01W.31*** ***RHD*weak D type 31***	c.17C>T	1	p.Pro 6 Leu	*RHD*17T*	
Type 32	***RHD*01W.32*** ***RHD*weak D type 32***	c.1121 T > A	8	p.Ile374Asn	*RHD*1121A*	
Type 33	***RHD*01W.33*** ***RHD*weak D type 33***	c.520G>A	4	p.Val174Met	*RHD*520A*	
Type 34	***RHD*01W.34*** ***RHD*weak D type 34***	c.809T>A	6	p.Val270Glu	*RHD*809A*	
Type 35	***RHD*01W.35*** ***RHD*weak D type 35***	c.260G>A	2	p.Gly87Asp	*RHD*260A*	
Type 36	***RHD*01W.36*** ***RHD*weak D type 36***	c.842T>G	6	p.Val281Gly	*RHD*842G*	
Type 37	***RHD*01W.37*** ***RHD*weak D type 37***	c.399G>T	3	p.Lys133Asn	*RHD*399T*	
Type 38	***RHD*01W.38*** ***RHD*weak D type 38***	c.833G>A	6	p.Gly278Asp	*RHD*833A*	
Type 39	***RHD*01W.39*** ***RHD*weak D type 39***	c.1015G>A	7	p.Gly339Arg	*RHD*1015A*	

Names for alleles encoding weak D phenotypes v4.0 170110

Phenotype	Allele name	Nucleotide Change(s)	Exon	AminoAcid change(s)	Allele Name Detail	Comments
Type 40	***RHD*01W.40*** ***RHD*weak D type 40***	c.602C>G	4	p.Thr201Arg	*RHD*602G*	
Type 41	***RHD*01W.41*** ***RHD*weak D type 41***	c.1193A>T	9	p.Glu398Val	*RHD*1193T*	
Type 41.0.1	***RHD*01W.41.0.1*** ***RHD*weak D type 41.0.1***	c.1170T>C c.1193A>T	9	p.Leu390Leu p.Glu398Val	*RHD*1170C, 1193T*	
Type 42	***RHD*01W.42*** ***RHD*weak D type 42***	c.1226A>T	9	p.Lys409Met	*RHD*1226T*	
Type 43	***RHD*01W.43*** ***RHD*weak D type 43***	c.605 C > T	4	p.Ala202Val	*RHD*605T*	
Type 44	***RHD*01W.44*** ***RHD*weak D type 44***	c.728A>G	5	p.Tyr243Cys	*RHD*728G*	
Type 45	***RHD*01W.45*** ***RHD*weak D type 45***	c.1195G>A	9	p.Ala399Thr	*RHD*1195A*	
Type45.1	***RHD*01W.45.1*** ***RHD*weak D type 45.1***	c.818C>T c.1195G>A	6, 9	p.Ala273Val p.Ala399Thr	*RHD*818T, 1195A*	
Type45.2	***RHD*01W.45.2*** ***RHD*weak D type 45.2***	c.208C>T c.818C>T c.1195G>A	2,6,9	p.Arg70Trp p.Ala273Val p.Ala399Thr	*RHD*208T, 818T,1195A*	
Type 46	***RHD*01W.46*** ***RHD*weak D type 46***	c.1221C>A	9	p.Phe407Leu	*RHD*1221A*	
Type 47	***RHD*01W.47*** ***RHD*weak D type 47***	c.340C>G	3	p.Arg114Gly	*RHD*340G*	
Type 48	***RHD*01W.48*** ***RHD*weak D type 48***	c.182G>T	2	p.Gly61Val	*RHD*182T*	
Type 49	***RHD*01W.49*** ***RHD*weak D type 49***	c.770C>T	5	p.Ser257Phe	*RHD*770T*	
Type 50	***RHD*01W.50*** ***RHD*weak D type 50***	c.727T>A	5	p.Tyr243Asn	*RHD*727A*	
Type 51	***RHD*01W.51*** ***RHD*weak D type 51***	c.594A>T c.602C>G	4	p.Lys198Asn, p.Thr201Arg	*RHD*594T, 602G*	
Type 52	***RHD*01W.52*** ***RHD*weak D type 52***	c.92T>C	1	p.Phe31Ser	*RHD*92C*	
Type 53	***RHD*01W.53*** ***RHD*weak D type 53***	c.740T>G	5	p.Val247Gly	*RHD*740G*	
Type 54	***RHD*01W.54*** ***RHD*weak D type 54***	c.365C>T	3	p.Ser122Leu	*RHD*365T*	
Type 55	***RHD*01W.55*** ***RHD*weak D type 55***	c.895C>G	6	p.Leu299Val	*RHD*895G*	
Type 56	***RHD*01W.56*** ***RHD*weak D type 56***	c.65C>A	1	p.Ala22Glu	*RHD*65A*	
Type 57	***RHD*01W.57*** ***RHD*weak D type 57***	c.640C>T	5	p.Leu214Phe	*RHD*640T*	
Type 58	***RHD*01W.58*** ***RHD*weak D type 58***	c.1006G>C	7	p.Gly336Arg	*RHD*1006C*	
Type 59	***RHD*01W.59*** ***RHD*weak D type 59***	c.1148T>C	8	p.Leu383Pro	*RHD*1148C*	
Type 60	***RHD*01W.60*** ***RHD*weak D type 60***	c.1219_1224 delTTCTGG	9	p.Phe407_Trp408del	*RHD* 1219_1224 del*	
Type 61	***RHD*01W.61*** ***RHD*weak D type 61***	c.28C>T	1	p.Arg10Trp	*RHD*28T*	
Type 62	***RHD*01W.62*** ***RHD*weak D type 62***	c.661C>A	5	p.Pro221Thr	*RHD*661A*	

Names for alleles encoding weak D phenotypes v4.0 170110

Phenotype	Allele name	Nucleotide Change(s)	Exon	AminoAcid change(s)	Allele Name Detail	Comments
Type 63	***RHD*01W.63*** ***RHD*weak D type 63***	c.758T>A	5	p.Ile253Asn	*RHD*758A*	
Type 64	***RHD*01W.64*** ***RHD*weak D type 64***	c.881C>T	6	p.Ala294Val	*RHD*881T*	
Type 65	***RHD*01W.65*** ***RHD*weak D type 65***	c.68C>A	1	p.Ala23Asp	*RHD*68A*	
Type 66	***RHD*01W.66*** ***RHD*weak D type 66***	c.916G>A	6	p.Val306Ile	*RHD*916A*	
Type 67	***RHD*01W.67*** ***RHD*weak D type 67***	c.722C>T	5	p.Thr241Ile	*RHD*722T*	
Type 68	***RHD*01W.68*** ***RHD*weak D type 68***	c.165 C > T c.1213C>G	2, 9	silent p.Gln405Glu	*RHD*165T, 1213G*	
Type 69	***RHD*01W.69*** ***RHD*weak D type 69***	c.953G>A	7	p.Arg318Gln	*RHD*953A*	
Type 70	***RHD*01W.70*** ***RHD*weak D type 70***	c.1012C>G	7	p.Leu338Val	*RHD*1012G*	
Type 71	***RHD*01W.71*** ***RHD*weak D type 71***	c.29G>C	1	p.Arg10Pro	*RHD*29C*	
Type 72	***RHD*01W.72*** ***RHD*weak D type 72***	c.1212C>A	9	p.Asp404Glu	*RHD*1212A*	
Type 73	***RHD* 01W.73*** ***RHD*weak D type 73***	c.1241C>T	10	p.Ala414Val	*RHD*1241T*	
Type 74	***RHD* 01W.74*** ***RHD*weak D type 74***	c.203G>C	2	p.Ser68Thr	*RHD*203C*	
Type 75	***RHD* 01W.75*** ***RHD*weak D type 75***	c.1194G>C	9	p.Glu398Asp	*RHD*1194C*	
Type 76	***RHD* 01W.76*** ***RHD*weak D type 76***	c.1215A>C	9	p.Gln405His	*RHD*1215C*	
Type 77	***RHD* 01W.77*** ***RHD*weak D type 77***	c.766T>C	5	p.Ser256Pro	*RHD*766C*	
Type 78	***RHD* 01W.78*** ***RHD*weak D type 78***	c.1228T>G	10	p.Phe410Val	*RHD*1228G*	
Type 79	***RHD* 01W.79*** ***RHD*weak D type 79***	c.560T>C	4	p.Leu187Pro	*RHD*560C*	
Type 80	***RHD* 01W.80*** ***RHD*weak D type 80***	c.539G>A	4	p.Gly180Glu	*RHD*539A*	
Type 81	***RHD* 01W.81*** ***RHD*weak D type 81***	c.1199A>C	9	p.Lys400Thr	*RHD*1199C*	
Type 82	***RHD* 01W.82*** ***RHD*weak D type 82***	c.1184C>T	9	p.Ala395Val	*RHD*1184T*	
Type 83	***RHD* 01W.83*** ***RHD*weak D type 83***	c.1238T>G	10	p.Leu413Trp	*RHD*1238G*	
Type 84	***RHD* 01W.84*** ***RHD*weak D type 84***	c.227G>A	2	p.Ser76Asn	*RHD*227A*	
Type 85	***RHD* 01W.85*** ***RHD*weak D type 85***	c.209G>A	2	p.Arg70Gln	*RHD*209A*	
Type 86	***RHD* 01W.86*** ***RHD*weak D type 86***	c.1034T>A	7	p.Val345Glu	*RHD*1034A*	
Type 87	***RHD* 01W.87*** ***RHD*weak D type 87***	c.374T>A	3	p.Ile125Asn	*RHD*374A*	
Type 88	***RHD* 01W.88*** ***RHD*weak D type 88***	c.182G>C	2	p.Gly61Ala	*RHD*182C*	

Names for alleles encoding weak D phenotypes v4.0 170110

Phenotype	Allele name	Nucleotide Change(s)	Exon	AminoAcid change(s)	Allele Name Detail	Comments
Type 89	***RHD* 01W.89*** ***RHD*weak D type 89***	c.67G>C	1	p.Ala23Pro	*RHD*67C*	
Type 90	***RHD* 01W.90*** ***RHD*weak D type 90***	c.993C>G	7	p.Asn331Lys	*RHD*993G*	
Type 91	***RHD* 01W.91*** ***RHD*weak D type 91***	c.1187C>G	9	p.Pro396Arg	*RHD*1187G*	
Type 92	***RHD* 01W.92*** ***RHD*weak D type 92***	c.1145T>C	8	p.Leu382Pro	*RHD*1145C*	
Type 93	***RHD* 01W.93*** ***RHD*weak D type 93***	c.359C>A	3	p.Ala120Asp	*RHD*359A*	
Type 94	***RHD* 01W.94*** ***RHD*weak D type 94***	c.884T>C	6	p.Met295Thr	*RHD*884C*	
Type 95	***RHD* 01W.95*** ***RHD*weak D type 95***	c.730G>C	5	p.Ala244Pro	*RHD*730C*	
Type 96	***RHD* 01W.96*** ***RHD*weak D type 96***	c.731C>T	5	p.Ala244Val	*RHD*731T*	
Type 97	***RHD* 01W.97*** ***RHD*weak D type 97***	c.542T>C	4	p.Leu181Pro	*RHD*542C*	
Type 98	***RHD* 01W.98*** ***RHD*weak D type 98***	c.751A>C	5	p.Thr251Pro	*RHD*751C*	
Type 99	***RHD* 01W.99*** ***RHD*weak D type 99***	c.1107A>C	8	p.Glu369Asp	*RHD*1107C*	
Type 100	***RHD* 01W.100*** ***RHD*weak D type 100***	c.787G>A	5	p.Glu263Arg	*RHD*787A*	
Type 101	***RHD* 01W.101*** ***RHD*weak D type 101***	c.62A>C	1	p.Glu21Ala	*RHD*62C*	
Type 102	***RHD* 01W.102*** ***RHD*weak D type 102***	c.73A>T	1	p.Ile25Phe	*RHD*73T*	
Type 103	***RHD* 01W.103*** ***RHD*weak D type 103***	c.91T>A	1	p.Phe31Ile	*RHD*91A*	
Type 104	***RHD* 01W.104*** ***RHD*weak D type 104***	c.157G>T	2	p.Asp53Tyr	*RHD*157T*	
Type 105	***RHD* 01W.105*** ***RHD*weak D type 105***	c.200C>G	2	p.Ser67Trp	*RHD*200G*	
Type 106	***RHD* 01W.106*** ***RHD*weak D type 106***	c.220T>G	2	p.Trp74Gly	*RHD*220G*	
Type 107	***RHD* 01W.107*** ***RHD*weak D type 107***	c.223A>T	2	p.Ser75Cys	*RHD*223G*	
Type 108	***RHD* 01W.108*** ***RHD*weak D type 108***	c.287G>A	2	p.Gly96Asp	*RHD*287A*	
Type 109	***RHD* 01W.109*** ***RHD*weak D type 109***	c. 376T>C	3	p.Ser126Pro	*RHD*376C*	
Type 110	***RHD* 01W.110*** ***RHD*weak D type 110***	c.413A>G	3	p.Gln138Arg	*RHD*413G*	
Type 111	***RHD* 01W.111*** ***RHD*weak D type 111***	c.634G>A	4	p.Gly212Ser	*RHD*634A*	
Type 112	***RHD* 01W.112*** ***RHD*weak D type 112***	c.635G>A	5	p.Gly212Asp	*RHD*635A*	
Type 113	***RHD* 01W.113*** ***RHD*weak D type 113***	c.874T>C	6	p.Trp292Arg	*RHD*874C*	

Names for alleles encoding weak D phenotypes v4.0 170110

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Type 114	***RHD* 01W.114*** ***RHD*weak D type 114***	c.968C>T	7	p.Pro323Leu	*RHD*968T*	
Type 115	***RHD* 01W.115*** ***RHD*weak D type 115***	c.983T>A	7	p.Met328Lys	*RHD*983A*	
Type 116	***RHD* 01W.116*** ***RHD*weak D type 116***	c.346G>C	3	p.Ala116Pro	*RHD*346C*	
Type 117	***RHD* 01W.117*** ***RHD*weak D type 117***	c.346G>A	3	p.Ala116Thr	*RHD*346A*	
Type 118	***RHD* 01W.118*** ***RHD*weak D type 118***	c.347C>T	3	p.Ala116Val	*RHD*347T*	
Type 119	***RHD* 01W.119*** ***RHD*weak D type 119***	c.818C>T	6	p.Ala273Val	*RHD*818T*	
Type 120	***RHD* 01W.120*** ***RHD*weak D type 120***	c.818C>A	6	p.Ala273Glu	*RHD*818A*	
Type 121	***RHD* 01W.121*** ***RHD*weak D type 121***	c.176C>A	2	p.Ala59Asp	*RHD*176A*	
Type 122	***RHD* 01W.122*** ***RHD*weak D type 122***	c.208C>T	2	p.Arg70Trp	*RHD*208T*	
Type 123	***RHD* 01W.123*** ***RHD*weak D type 123***	c.379 G>T	3	p.Val127Leu	*RHD*379T*	
Type 124	***RHD* 01W.124*** ***RHD*weak D type 124***	c.594A>T	4	p.Lys198Asn	*RHD*594T*	
Type 125	***RHD* 01W.125*** ***RHD*weak D type 125***	c.671A>G	5	p.Asn224Ser	*RHD*671G*	
Type 126	***RHD* 01W.126*** ***RHD*weak D type 126***	c.1199A>T	9	p.Lys400Ile	*RHD*1199T*	
Type 127	***RHD* 01W.127*** ***RHD*weak D type 127***	c.1200A>T	9	p.Lys400Asn	*RHD*1200T*	
Type 128	***RHD* 01W.128*** ***RHD*weak D type 128***	c.1207G>T	9	p.Asp403Tyr	*RHD*1207T*	
Type 129	***RHD* 01W.129*** ***RHD*weak D type 129***	c.1208A>T	9	p.Asp403Val	*RHD*1208T*	
Type 130	***RHD* 01W.130*** ***RHD*weak D type 130***	c.163A>C	2	p.Thr55Pro	*RHD*163A*	
Type 131	***RHD* 01W.131*** ***RHD*weak D type 131***	c.254C>G	2	p.Ala85Gly	*RHD*254G*	
Type 132	***RHD* 01W.132*** ***RHD*weak D type 132***	c.394G>A	3	p.Gly132Arg	*RHD*394A*	
Type 133	***RHD* 01W.133*** ***RHD*weak D type 133***	c.395G>A	3	p.Gly132Glu	*RHD*395A*	
Type 134	***RHD* 01W.134*** ***RHD*weak D type 134***	c.1168C>G	9	p.Leu390Val	*RHD*1168G*	
Type 135	***RHD* 01W.135*** ***RHD*weak D type 135***	c.884T>A	6	p.Met295Lys	*RHD*884A*	
Del defined as weak D expression primarily detectable only by adsorption and elution						
Del	***RHD*01EL.01*** ***RHD*DEL1***	c.1227G>A	9	p.Lys409Lys	*RHD*1227A*	Splice site affected

Names for alleles encoding weak D phenotypes v4.0 170110

Phenotype	Allele name	Nucleotide Change(s)	Exon	AminoAcid change(s)	Allele Name Detail	Comments
Del	***RHD*01EL.02*** ***RHD*DEL2***	c.3G>A	1	p.Met1Ile	*RHD*3A*	
Del	***RHD*01EL.03*** ***RHD*DEL3***	c.53T>C	1	p.Leu18Pro	*RHD*53C*	
Del	***RHD*01EL.04*** ***RHD*DEL4***	c.147delA	1	p.Val50Leufs*5	*RHD*147delA*	
Del	***RHD*01EL.05*** ***RHD*DEL5***	c.148+1G>A	Intron 1	Splice site mutation	*RHD*148+1A*	
Del or weak D	***RHD*01EL.06*** ***RHD*DEL6***	c.251T>C	2	p.Leu84Pro	*RHD*251C*	
Del or weak D	***RHD*01EL.07*** ***RHD*DEL7***	c.410C>A	3	p.Ala137Glu	*RHD*410A*	
Del	***RHD*01EL.08*** ***RHD*DEL8***	c.486+1G>A	Intron 3	Splice site mutation	*RHD*486+1A*	
Del or D negative	***RHD*01EL.09*** ***RHD*DEL9***	c.486+2T>A	Intron 3	Splice site mutation	*RHD*486+2A*	
Del	***RHD*01EL.10*** ***RHD*DEL10***	c.1222T>C	9	p.Trp408Arg	*RHD*1222C*	
Del	***RHD*01EL.11*** ***RHD*DEL11***	c.1252_1253 insT	10	p.*418Leuext*70	*RHD*1252_1253insT*	
Del	***RHD*01EL.12*** ***RHD*DEL12***	c.458T>C	3	p.Leu153Pro	*RHD*458C*	
Del or D negative	***RHD*01EL.13*** ***RHD*DEL13***	c.785delA	5	p.Lys264Argfs*24	*RHD*785delA*	
Del	***RHD*01EL.14*** ***RHD*DEL14***	c.634+5G>T	Intron 4	Splice site mutation	*RHD*634+5T*	G>A associated with weak D
Del or D negative	***RHD*01EL.15*** ***RHD*DEL15***	c.922G>T	6	p.Gly308Ter	*RHD*922T*	
Del	***RHD*01EL.16*** ***RHD*DEL16***	c.634G>C	4	p.Gly212Arg	*RHD*634C*	212Cys reported as weak D; 212Val as D neg
Del	***RHD*01EL.17*** ***RHD*DEL17***	c.1203T>A	9	p.Tyr401*	*RHD*1203A*	
Del	***RHD*01EL.18*** ***RHD*DEL18***	c.93_94insT	1	p.Thr32Tyrfs*4	*RHD*93_94insT*	
Del	***RHD*01EL.19*** ***RHD*DEL19***	c.635-2A>G	Intron 4	Splice site mutation	*RHD*635-2G*	
Del	***RHD*01EL.20*** ***RHD*DEL20***	c.1154-8T>A	Intron 8	Splice site mutation	*RHD*1154-8A*	
Del	***RHD*01EL.21*** ***RHD*DEL21***	c.148+5G>C	Intron 1	Splice site mutation	*RHD*148+5C*	Hyland
Del	***RHD*01EL.22*** ***RHD*DEL22***	c.336-2delA	Intron 2	Splice site mutation	*RHD*336-2delA*	Hyland
Del Partial D	***RHD*01EL.23*** ***RHD*DEL23***	RHD-CE(5-7)-D	5 6 7	Hybrid allele	*RHD*-CE(5-7)-D*	DBU
Del	***RHD*01EL.24*** ***RHD*DEL24***	c.838G>A	6	p.Ala280Thr	*RHD*838A*	
Del	***RHD*01EL.25*** ***RHD*DEL25***	c.1252T>A	10	p.Ter418Lysext*?	*RHD*1252A*	
Del	***RHD*01EL.26*** ***RHD*DEL26***	c.1248_1249 insG	10	p.Phe417Valfs*?	*RHD*1248_1249insG*	
Del	***RHD*01EL.28*** ***RHD*DEL28***	c.993delC	7	p.Phe332Serfs*27	*RHD*993delC*	

Names for alleles encoding weak D phenotypes v4.0 170110

Phenotype	Allele name	Nucleotide Change(s)	Exon	AminoAcid change(s)	Allele Name Detail	Comments
Del	***RHD*01EL.29*** ***RHD*DEL29***	c.1210G>C	9	p.Asp404His	*RHD*1210C*	
Del	***RHD*01EL.30*** ***RHD*DEL30***	c.1074-100_1153+?del	Intron 7 8 Intron 8	Large Deletion	*RHD* Ex8del*	
Del	***RHD*01EL.31*** ***RHD*DEL31***	c.148+1G>T	1	Splice site mutation	*RHD*148+1T*	
Del	***RHD*01EL.32*** ***RHD*DEL32***	c.336-29G>C	2	Intron polymorphism	*RHD*336-29C*	
Del	***RHD*01EL.33*** ***RHD*DEL33***	c.336-2A>G	2	Splice site mutation	*RHD*336-2G*	
Del	***RHD*01EL.36*** ***RHD*DEL36***	c.1227G>A c.1073+152C>A	9 Intron 7	Splice site mutation	*RHD*(1227A, 1073+152A)*	
Del	***RHD*01EL.37*** ***RHD*DEL37***	c.1154-31C>T	8	Intron polymorphism	*RHD*1154-31T*	
Del	***RHD*01EL.38*** ***RHD*DEL38***	c.1010T>G	7	p.Leu337Arg	*RHD*1010G*	
Del	***RHD*01EL.39*** ***RHD*DEL39***	c.113T>A	1	p.Leu38*	*RHD*113A*	
Del	***RHD*01EL.40*** ***RHD*DEL40***	c.278T>G	2	p.Leu93Arg	*RHD*278G*	
Del	***RHD*01EL.41*** ***RHD*DEL41***	c.872C>G	6	p.Pro291Arg	*RHD*872G*	
Del	***RHD*01EL.42*** ***RHD*DEL42***	c.335G>C c.149-29G>C	2 Intron 1	p.Ser112Thr	*RHD*(335G>C, 149-29C)*	
Del	***RHD*01EL.43*** ***RHD*DEL43***	c.46T>C	1	p.Trp16Arg	*RHD*46C*	
Del	***RHD*01EL.44*** ***RHD*DEL44***	*RHD-CE(4-9)-D*	4 - 9	Hybrid allele	*RHD*-CE(4-9)-D*	
Del	***RHD*01EL.45*** ***RHD*DEL45***	c.721A>C	5	p.Thr241Pro	*RHD*721C*	
Del	***RHD*01EL.46*** ***RHD*DEL46***	c.884T>C	6	p.Met295Thr	*RHD*884C*	

Del Obsolete†	***RHD*01EL.35*** ***RHD*DEL35***	c.802-38_35del	5	Intron polymorphism	*RHD**802-38_35del*	

†Rhesusbase: The causative role of the IVS5-38del4 mutation for the DEL phenotype has been disputed, because the IVS5-38del4 polymorphism was frequently observed in normal D expressing alleles regularly observed among normal D expressing alleles (approximate haplotype frequency 5.8) and some partial D (DFR type 1, DFR type 3)