Well No. — columns 1–96

DPB1 allele[1,2,3]

DPB1 allele[1,2,3]	Reactive wells (result)
*01:01:01:01-01:01:02:03, 01:01:04, 01:01:06-01:01:07, 01:01:09-01:01:12, 417:01:02, 667:01, 733:01, 879:01:01:01-879:01:01:03, 953:01, 1256:01N, 1332:01N, 1392:01, 1406:01	1+ 2+ 3+ 4+ 5+ 6+ 7+; 24+; 44+; 52+; 81+; 96+
*01:01:03, 1421:01	1+ 2+ 3+ 4+ 5+ 6+ 7+; 24+; 52+; 81+; 96+
*01:01:05	2+ 3+ 4+ 5+ 6+; 24+; 44+; 52+; 81+; 96+
*01:01:08	1+ 2+ 3+ 4+ 5+ 6+ 7+; 24+; 44+; 52w; 81+; 96+
*02:01:02:01-02:01:04, 02:01:07-**02:01:23**, **02:01:25**, 02:01:34:01-02:01:34:02, 02:01:37, 02:01:42, 02:01:59-02:01:60, 02:01:65-02:01:67, 02:01:69, 678:01, 783:01, 786:01:01N, 819:01, 955:01, 967:01, 1077:01, 1082:01, 1102:01, 1243:01, 1247:01, 1248:01, 1290:01, 1315:01, 1320:01, 1323:01, 1326:01, 1347:01, 1363:01, 1369:01, 1381:01, 1402:01, 1405:01, 1408:01, 1417:01, 1419:01, 1430:01N, 1456:01	9+ 10+ 11+ 12+; 44+; 81+
*02:01:05	9+ 10w 11+ 12+; 52+; 81+
*02:01:06, 1368:01	9+ 11+ 12+; 52+; 81+
*02:01:24, 02:01:26-02:01:33, 02:01:35-02:01:36, 02:01:38-02:01:41, 02:01:45-02:01:50, 02:01:52-02:01:58, 02:01:61-02:01:63, 401:01:02N, 640:01, 975:01, 1036:01, 1051:01, 1053:01, 1055:01, 1089:01, 1107:01, 1179:01, 1191:01N, 1198:01, 1227:01, 1266:01, 1298:01, 1312:01, 1335:01, 1344:01, 1352:01, 1468:01, 1486:01Q	9+ 10+ 11+ 12+; 44?; 45+; 81+
*02:01:43	9+ 10+ 11+ 13+; 44?; 45+; 81+
*02:01:44	9+ 11+ 12+ 13+; 44?; 45+; 81+
*02:01:51	9+ 10+ 12+; 44?; 45+; 81+
*02:01:64	9+ 10+ 11+ 12+ 13+; 44+; 45+; 81+
*02:01:68	9+ 10+ 11+ 12+ 13+; 81+
*02:02:01:01-02:02:01:10, 02:02:03, 02:02:07, 1188:01, 1376:01, 1437:01, 1498:01	9+ 10+ 11+; 15+ 16+ 17+; 81+
*02:02:02, 02:02:05-02:02:06	9+ 10+ 11+; 15+ 16+ 17+; 44?; 45+; 81+
*02:02:04	9+ 10+ 11+; 16+ 17+; 44?; 45+; 81+
*03:01:01:01-03:01:08, 03:01:10-03:01:12, 03:01:16, 03:01:20-03:01:24, 669:01, 675:01, 676:01, 704:01, 706:01, 948:01, 950:01N, 952:01, 1071:01, 1134:01, 1254:01, 1263:01, 1365:01, 1373:01, 1388:01, 1396:01, 1401:01, 1407:01, 1418:01	1+ 2+; 18+ 19+ 20+ 21+ 22+; 65+; 78+; 81+
*03:01:09, 03:01:13-03:01:14, 03:01:19, 03:01:25-03:01:28, 938:01, 983:01, 1049:01, 1098:01N, 1114:01, 1116:01, 1157:01, 1228:01N, 1285:01N, 1295:01, 1340:01, 1487:01N, 1494:01	1+ 2+; 18+ 19+ 20+ 21+ 22+; 65?; 78+; 81+
*03:01:15:01-03:01:15:02	1+ 2+; 18+ 19+ 20+ 21+ 22+; 65w; 78+; 81+
*03:01:17	1+ 2+; 18+ 19+ 20+ 21+ 22+; 78+; 81+
*03:01:18, 1442:01N	1+ 2+; 19+ 20+ 21+ 22+; 65?; 78+; 81+

Negative Control (right margin)

Well No. — columns 1–96
DPB1 allele[1,2,3]

DPB1 2023 3S4 R02.xlsx

DPB1 alleles	Reactions (Well positions)
*04:01:01:01-04:01:01:23, 04:01:01:25-04:01:01:132, **04:01:03-04:01:06**, **04:01:08-04:01:10, 04:01:12-04:01:15**, 04:01:17-04:01:40, 04:01:42-04:01:43, 04:01:46, 04:01:48-04:01:56, 04:01:58-04:01:59, 04:01:61-04:01:63, 04:01:65-04:01:67, 04:01:69, 04:01:71-04:01:72, **415:01,** 666:01, 670:01, 677:01, 757:01, 784:01, 804:01, 806:01:01:01-806:01:01:02, 849:01, 878:01N, 880:01, 882:01, 957:01, 966:01, 978:01, 1100:01, 1129:01, 1132:01, 1139:01, 1155:01, 1167:01, 1226:01, 1237:01, 1238:01, 1241:01, 1242:01, 1244:01, 1249:01, 1262:01, 1275:01N, 1284:01, 1300:01, 1316:01, 1317:01Q, 1321:01, 1322:01, 1345:01, 1362:01, 1374:01, 1377:01, 1379:01, 1385:01, 1387:01, 1390:01, 1391:01, 1409:01, 1412:01, 1413:01, 1415:01N, 1416:01N, 1420:01, 1423:01N, 1436:01, 1444:01Q, 1450:01, 1465:01, 1472:01[5]	+ + + + + + + +
*04:01:01:24N	+ + + + + + + + +
*04:01:02, **04:01:16**, 1208:01	+ + + + + + +
*04:01:07, 04:01:11, 04:01:64, 04:01:73	+ + + + + +
*04:01:41, 04:01:44-04:01:45, 04:01:47, 615:01, 625:01:02, 795:01:02, 939:01, 1011:01, 1033:01, 1064:01:02, 1066:01:02, 1086:01, 1091:01, 1097:01, 1113:01, 1135:01N, 1146:01, 1152:01, 1173:01, 1177:01, 1196:01, 1206:01, 1207:01, 1218:01, 1222:01, 1223:01, 1231:01, 1268:01, 1274:01, 1297:01, 1304:01, 1308:01, 1328:01, 1358:01, 1446:01, 1459:01, 1476:01, 1478:01N, 1503:01	+ + + + + ? + + +
*04:01:57, 04:01:70	+ + + + + + +
*04:01:60:01-04:01:60:03	+ + + + + + +
*04:01:68	+ + + + + + +
*04:02:01:01-04:02:01:40, **04:02:03**-04:02:16, 04:02:21-04:02:25, 701:01:01:01-701:01:01:02, 724:01N, 726:01, 734:01, 735:01, 809:01, 823:01, 881:01, 954:01, 1083:01, 1153:01, 1239:01, 1346:01, 1371:01, 1375:01N, 1380:01, 1398:01N, 1424:01, 1485:01	+ + + + + + + +
*04:02:02	+ + + + + w +
*04:02:17-04:02:20, 647:01, 958:01, 959:01N, 981:01, 1035:01, 1084:01N, 1085:01, 1124:01, 1197:01, 1280:01, 1283:01, 1460:01, 1479:01	+ + + + + ? + +
*05:01:01:01-05:01:02, 05:01:07, 05:01:12, 05:01:14, 05:01:16, 05:01:18-05:01:19, 668:01:01:01-668:01:01:02, 764:01, 951:01, 1117:01, 1257:01, 1318:01, 1462:01, 1497:01, 1500:01N	+ + + + + + + + + + +
*05:01:03	+ + + + + ? + + +
*05:01:04-05:01:06	+ + + + + ? + + +

Negative Control

Well No.
1111111111 2222222222 3333333333 4444444444 5555555555 6666666666 7777777777 8888888888 99999999

DPB1 allele[1,2,3]
1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 123456

DPB1 allele	Reaction pattern
*05:01:08-05:01:09, 05:01:11, 05:01:15, 1118:01, 1120:01, 1156:01:01-1156:01:02, 1199:01, 1272:01, 1289:01, 1291:01N, 1302:01, 1338:01N, 1438:01, 1455:01N, 1457:01, 1473:01, 1481:01, 1491:01, 1504:01	+ + + + + + + + ? + + +
*05:01:10	+ + + + + + + ? + + +
*05:01:13, 1058:01, 1305:01	+ + + + + + + ? + + +
*05:01:17	+ + + + + + + + w +
06:01:01:01-06:01:01:08, 06:01:04, 06:01:06, 737:01, 1127:01, 1251:01, 1259:01, 1471:01	+ + + + + + + + + +
*06:01:02	+ + + + + + + + ? +
*06:01:03	+ + + + + + + ? ? + ? +
*06:01:05, 1022:01	+ + + + + + ? ? + ? +
*08:01	+ + + + + ? ? ? + ? +
*09:01:01:01-**09:01:02**, 1128:01, 1258:01, 1378:01, 1467:01	+ + + + + + + + + +
*09:01:03-**09:01:04**	+ + + + + + + + ? ? ? ? + ?
*09:01:05, 714:01, 797:01, 977:01, 1009:01, 1043:01	+ + + + + + + + + ? ? + ?
*09:01:06	+ + + + + + + + ? + +
*09:01:07, 1178:01, 1303:01, 1313:01	+ + + + + + + + ? + +
10:01:01:01-10:01:01:05, 10:01:06, 673:01, 1126:01, 1261:01, 1470:01	+ + + + + + + +
*10:01:02, 324:01, 410:01	+ + + + + + ? ? ? ? ? ? +
*10:01:03	+ + + + + + ? ? ? ? + ?
*10:01:04	+ + + + + + ? + +
*10:01:05, 1168:01, 1490:01	+ + + + + + ? + +
11:01:01:01-11:01:01:03, 11:01:05, 649:01, 672:01, 1234:01, 1364:01N, 1501:01	+ + + + + + + +
*11:01:02	+ + + + + + ? ? ? ? + ? + ?
11:01:03, 707:01, 732:01N, 1063:01	+ + + + + ? ? + ? +
*11:01:04	+ + + + + ? ? ? + ? +
*11:01:06	+ + + + + ? + + +
*11:01:07, 654:01	+ + + + + ? + + +
13:01:01:01-13:01:07, 518:01, 947:01, 1131:01, 1232:01, 1260:01N, 1370:01	+ + + + + + + + + + + +
14:01:01:01-14:01:01:09, 14:01:05, 14:01:13, 671:01, 705:01, 949:01, 1384:01, 1395:01, 1414:01	+ + + + + + + + + + + +
*14:01:02	+ + + + + + + + + ? ? + ?
*14:01:03	+ + + + + + + + + ? ? ? ? +
*14:01:04, 14:01:10-14:01:11, 1348:01, 1354:01	+ + + + + + + + + ? + + +
*14:01:06-14:01:09, 794:01N, 986:01N, 990:01, 1187:01	+ + + + + + + + + ? ? + ?
*14:01:12	+ + + + + + + + ? + + +
*14:01:14	+ + + + + + + + ? w + +
*15:01:01:01-15:01:01:06, 15:01:03-15:01:05, 1250:01, 1252:01, 1350:01N, 1499:01	+ + + + + w + + +
*15:01:02	+ + + + + ? ? ? ? + +
*15:01:06-15:01:07, 1054:01, 1192:01, 1336:01, 1434:01	+ + + + + ? w + + +

Well No.	1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9
DPB1 allele[1,2,3]	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
16:01:01:01-16:01:01:02, 16:01:03, 653:01, 1386:01, 1449:01N	+ + + + + + +

Negative Control

DPB1 allele rows (reaction grid across Well No. 1–96; "+" = positive, "?" = ambiguous, "w" = weak; "Negative Control" marked at right margin):

- *16:01:02
- *17:01:01:01-17:01:01:08, 17:01:04, 738:01N, 956:01, 1158:01, 1233:01, 1265:01, 1367:01, 1394:01, 1397:01
- *17:01:02-17:01:03, 846:01
- *17:01:05, 719:01, 1032:01, 1052:01, 1435:01, 1440:01N, 1458:01, 1475:01
- *18:01:01:01-18:01:01:04
- *18:01:02, 897:01
- *18:01:03
- *18:01:04, 1201:01
- *19:01:01:01-19:01:01:06, 965:01:01:01-965:01:01:02, 1255:01
- *19:01:02, 1101:01, 1282:01
- *20:01:01:01-20:01:01:04, 20:01:05, 1389:01, 1426:01
- *20:01:02
- *20:01:03
- *20:01:04
- *21:01:01-21:01:02
- *22:01:01:01-22:01:01:02
- *23:01:01:01-23:01:01:02, 23:01:03
- *23:01:02
- *24:01
- *25:01
- *26:01:01, 562:01, 1166:01
- *26:01:02:01-26:01:02:03, 1088:01
- *26:01:03, 708:01
- *27:01
- *28:01:01:01-28:01:01:02
- *29:01
- *30:01:01:01-30:01:01:02
- *31:01:01:01-31:01:01:02
- *32:01
- *33:01:01:01-33:01:01:05
- *34:01:01:01-34:01:01:03
- *34:01:02
- *35:01:01
- *36:01
- *37:01
- *38:01, 1099:01
- *39:01:01:01-39:01:03
- *40:01:01:01-40:01:01:03, 40:01:03
- *40:01:02
- *41:01:01:01-41:01:01:02
- *41:01:02
- *44:01
- *45:01, 832:01
- *46:01:01:01-46:01:01:02
- *46:01:02

Well No.: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

DPB1 allele[1,2,3]

- *47:01:01:01-47:01:01:03
- *48:01
- *49:01:01:01-49:01:01:03

DPB1 2023 3S4 R02.xlsx

*50:01
*51:01:01:01-51:01:01:02
*52:01
*53:01
*54:01
*55:01:01:01-55:01:01:05
*55:01:02-55:01:03, 325:01
*56:01
*57:01
*58:01
*59:01
*60:01
*61:01N
*62:01
*63:01
*64:01N
*65:01:01
*65:01:02
*66:01
*67:01
*68:01
*69:01:01:01-69:01:01:02
*70:01
*71:01:01
*71:01:02
*72:01:01:01-72:01:01:03
*73:01
*74:01
*75:01
*76:01
*77:01
*78:01
*79:01
*80:01
*81:01:01:01-81:01:01:02
*81:01:02
*82:01
*83:01
*84:01
*85:01:01:01-85:01:01:02
*85:01:02
*86:01
*87:01
*88:01
*89:01
*90:01:01
*90:01:02
*91:01:01:01-91:01:01:02
*91:01:02
*92:01

Well No.
DPB1 allele[1,2,3]
*93:01
*94:01
*95:01

Negative Control

*96:01
*97:01
98:01
*99:01
*100:01
*101:01
*102:01
*103:01
*104:01:01:01-104:01:02, 104:01:05, 946:01, 1245:01, 1382:01
*104:01:03-104:01:04, 104:01:06, 1339:01
*105:01:01:01-105:01:02, 1072:01, 1235:01
*106:01
*107:01
*108:01
*109:01
*110:01
*111:01
*112:01
*113:01
*114:01
*115:01
*116:01
*117:01
*118:01
*119:01
*120:01N, 521:01[4]
*121:01
*122:01
*123:01
*124:01:01:01-124:01:02:03, 728:01
*125:01
*126:01:01:01-126:01:01:04, 1144:01
*127:01
*128:01
*129:01
*130:01
*131:01:01:01-131:01:01:03, 1431:01:01
*131:01:02
*131:01:03
*132:01
*133:01:01:01-133:01:01:02
*134:01
*135:01:01:01-135:01:01:02
*136:01
*137:01

Well No. — 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

DPB1 allele[1,2,3] — 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

*138:01
*139:01
*140:01
*141:01
*142:01
*143:01
*144:01

Negative Control

This page is a dense HLA DPB1 allele reactivity worksheet (spreadsheet grid). The left column lists DPB1 alleles; the grid columns correspond to Well Numbers 1–96, with cell markers "+", "?", and "w". A rightmost column is labelled "Negative Control".

DPB1 allele	reactivity pattern (wells 1–96)
*145:01	
*146:01	
*147:01	
*148:01	
*149:01	
*150:01	
*151:01	
*152:01	
*153:01	
*154:01N	
*155:01:01	
*155:01:02	
*156:01	
*157:01	
*158:01	
*159:01N	
*160:01	
*161:01N, 546:01	
*162:01:01, 162:01:03	
*162:01:02	
*163:01	
*164:01	
*165:01	
*166:01	
*167:01	
*168:01	
*169:01	
*170:01	
*171:01	
*172:01	
*173:01	
*174:01	
*175:01	
*176:01	
*177:01	
*178:01	
*179:01	
*180:01	
*181:01	
*182:01	
*183:01	
*184:01	
*185:01	
*186:01	

Well No. (tens/units digits) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

DPB1 allele[1,2,3] 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

DPB1 allele	reactivity pattern (wells 1–96)
*187:01	
*188:01	
*189:01	
*190:01	
*191:01	
*192:01:01	
*192:01:02	
*193:01	
*194:01	

Rightmost vertical label: **Negative Control**

DPB1 allele		Negative Control
*195:01, 837:01	+ + + + +	? ? ? ? ? + ? +
*196:01	+ + + + +	? ? ? ? ? + ?
*197:01	+ + + + + + + + + +	? ? + + ?
*198:01	+ + + + + + + + +	? ? ? ? ? ? + + +
*199:01	+ + + + + + +	? ? + + ? +
*200:01	+ + + + +	? ? + + ?
*201:01	+ + + + + + +	? ? + + ?
*202:01	+ + + + +	? ? + + ?
*203:01:01-203:01:02	+ + + + + + + + + + + +	? ? + ?
*204:01	+ + + + +	? ? ? ? ? ? +
*205:01	+ + + + + + +	? ? ? ? ? ? +
*206:01	+ + + + + +	? ? + ? + +
*207:01:01	+ + + + + +	? ? ? ? ? ? +
*207:01:02	+ + + + + +	? ? ? ? +
*208:01	+ + + + + +	+ + + +
*209:01	+ + + + + + + +	? ? + + ?
*210:01	+ + + +	? ? ? ? ? + + ?
*211:01	+ + + + +	? ? ? ? ? + ?
*212:01	+ + + +	? ? ? ? ? + ? +
*213:01:01	+ + + + +	? ? ? ? ? + ? +
*213:01:02, 334:01:02, 341:01, 376:01, 428:01, 618:01, 742:01, 743:01N, 748:01N, 750:01, 754:01N, 755:01, 756:01N, 761:01, 765:01, 767:01, 769:01, 773:01, 795:01:01, 803:01, 808:01, 811:01, 812:01, 813:01, 814:01, 820:01, 824:01:01-824:01:02, 828:01, 838:01N, 842:01, 844:01N, 850:01, 852:01, 859:01, 867:01N, 871:01N, 874:01N, 875:01N, 915:01, 921:01, 932:01, 974:01N, 988:01, 989:01, 992:01, 993:01, 997:01, 1001:01, 1002:01, 1003:01, 1004:01, 1010:01, 1016:01, 1023:01, 1042:01, 1048:01, 1060:01, 1062:01, 1064:01:01, 1074:01, 1112:01N, 1161:01, 1164:01, 1181:01, 1184:01, 1212:01, 1214:01, 1215:01, 1217:01, 1271:01	+ + + + +	? ? + ? +
*214:01	+ + + + + + +	? ? ? ? ? ? +
*215:01	+ + + + +	? ? ? + + ? +
*216:01N	+ + + + +	? ? ? ? ? + ?
*217:01	+ + + + +	? ? ? ? ? + ?
*218:01N	+ + + + + +	? ? ? ? ? ?

Well No.	1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9
DPB1 allele[1,2,3]	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

DPB1 allele		
*219:01	+ + + +	? ? ? ? ?
*220:01	+ + + + + + + + + + + +	? ? + ? +
*221:01	+ + + + + + + + +	? ? ? ? ? + ?
*222:01	+ + + + + + + + +	? ? + ?
*223:01	+ + + + + + +	? ? ? ? ? + ?
*224:01, 298:01, 335:01, 336:01, 378:01, 425:01, 426:01, 456:01, 465:01, 468:01, 524:01, 529:01, 553:01, 554:01, 556:01, 569:01, 578:01, 583:01, 592:01, 593:01, 614:01, 625:01:01, 643:01, 753:01, 758:01, 788:01, 868:01N, 895:01, 1079:01N, 1195:01, 1221:01, 1447:01	+ + + + +	? ? ? ? ? ? +
*225:01	+ + + + +	? ? + + + ? +
*226:01	+ + + + + + +	? ? ? ? ? + + ?

DPB1 allele	Well positions
*227:01:01	
*227:01:02	
*227:01:03	
*228:01	
*229:01	
*230:01	
*231:01	
*232:01	
***233:01**	
*234:01	
*235:01	
***236:01:01**	
***236:01:02**	
*237:01	
*238:01	
*239:01	
*240:01	
*241:01	
*242:01	
*243:01	
***244:01**	
***245:01**	
*246:01	
*247:01	
*248:01	
*249:01	
*250:01, 268:01[4]	
*251:01	
*252:01	
***253:01**	
*254:01	
*255:01	
*256:01	
***257:01**	
*258:01	
*259:01	

Well No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

DPB1 allele[1,2,3]

DPB1 allele	Well positions
***260:01**	
*261:01	
*262:01	
*263:01, 596:01	
*264:01	
***265:01**	
*266:01	
*267:01	
*269:01	
*270:01	
*271:01	
*272:01	
*273:01	
*274:01	
*275:01	
*276:01	
*277:01	

Negative Control

Allele
*278:01
*279:01:01
*279:01:02
*280:01
*281:01, 591:01[4]
*282:01
*283:01
*284:01
*285:01
*286:01
*287:01
*288:01
*289:01
*290:01
*291:01
*292:01
*293:01
*294:01
*295:01
*296:01
*297:01, 381:01, 444:01, 457:01, 469:01, 502:01, 528:01, 537:01, 579:01, 602:01, 628:01, 639:01, 655:01, 680:01, 685:01, 692:01, 780:01, 869:01N, 872:01N, 1159:01, 1163:01, 1176:01, 1461:01
*299:01
*300:01, 317:01, 331:01, 395:01, 473:01, 560:01
*301:01
*302:01
*303:01
*304:01
*305:01
*306:01

Negative Control

Well No.	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
DPB1 allele[1,2,3]	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
*307:01, 725:01, 730:01, 731:01, 741:01, 759:01, 776:01, 777:01N, 817:01, 818:01, 841:01, 858:01, 885:01, 887:01, 925:01N, 927:01, 933:01, 936:01Q, 985:01N, 1005:01, 1020:01, 1025:01, 1075:01, 1210:01, 1267:01, 1270:01	+ + + + + ? ? + ?
*308:01, 364:01, 373:01, 402:01, 420:01, 477:01, 494:01, 525:01, 586:01, 605:01, 606:01, 627:01, 690:01	+ + + + ? ? ? ? ? + ?
*309:01	+ + + + ? ? ? ? ? ?
*310:01	+ + + + + ? ? + ? + ?
*311:01	+ + + + + ? ? ? ? ? + ?
*312:01	+ + + + + ? ? + + ?
*313:01	+ + + + + + + ? ? + + ?
*314:01	+ + + + + + ? ? ? ? ?
*315:01	+ + + + + + + + ? ? ? ? ? + ? +
*316:01	+ + + + + ? ? ? ? ? + ?
*318:01	+ + + ? ? + ? + ?
*319:01	+ + + ? ? + + ? +
*320:01	+ w + ? ? ? ? ? ? +
*321:01, 595:01[4]	+ + + + + ? ? ? ? ? + ?
*322:01	+ + + + ? ? ? ? ? ?
*323:01, 372:01, 427:01, 434:01, 479:01, 607:01, 642:01	+ + + ? ? ? ? ? ? +
*326:01, 616:01, 800:01N, 807:01, 810:01, 862:01N, 866:01N, 931:01, 969:01, 984:01N, 998:01, 999:01, 1024:01, 1038:01Q, 1068:01, 1076:01, 1162:01, 1183:01	+ + + + + + + + + + ? ? + ? +
*327:01	+ + + + + + + + + + ? ? ? ? ? + + +
*328:01N	+ + + + + + + +
*329:01	+ + + + + + + + ? ? ? ? ? + ? +
*330:01, 1070:01N	+ + + + + ? ? + + ?
*332:01	+ + + + + + + ? ? ? ? ?
*333:01	+ + + + + + + ? ? ? + ? +
*334:01:01	+ + + + + ? ? ? ? ? + + ?
*337:01	+ + + + + + ? ? ? ? ? +
*338:01	+ + + + + + ? ? + ? +
*339:01	+ + + + + + ? ? + ?
*340:01	+ + + + + + + ? ? ? ? ?
*342:01	+ + + + ? ? ? ? ?
*343:01	w + + + + + + + + + ? ? ? ? ?
*344:01	+ + + + + + ? ? ? ? ?
*345:01	+ + + + + + ? ? ? ? ? +
*346:01	+ + + ? ? ? ? ?
*347:01	+ + + + + ? ? ? ? ? + ? +
*348:01:01	+ + + + ? ? + ? +
*348:01:02	+ + + + + ? ? ? ? ? +
*349:01	+ + + + + ? ? ? ? ? +
*350:01	+ + + + + ? + +
*351:01	+ + + + + + + + + ? + + +
*352:01:01, 461:01	+ + + + + ? + +
*352:01:02:01-352:01:02:02	+ + + + + + +
Well No.	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

Negative Control

DPB1 allele[1,2,3]																																																																																																																																																																														
*353:01																																																																																																																															
*354:01:01-354:01:02																																																																																																																												
*355:01																																																																																																																												
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*357:01N																																																																																																																												
*358:01																																																																																																																												
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*360:01																																																																																																																												
*361:01, 407:01, 447:01																																																																																																																												
*362:01, 449:01, 544:01, 564:01, 565:01, 597:01, 600:01, 612:01, 873:01N, 893:01																																																																																																																												
*363:01																																																																																																																												
*365:01																																																																																																																												
*366:01, 367:01, 723:01, 771:01, 786:01:02N, 799:01, 827:01, 831:01N, 836:01, 845:01, 857:01, 861:01, 863:01, 877:01N, 884:01, 890:01, 894:01N, 919:01N, 963:01, 973:01, 1028:01, 1059:01, 1094:01, 1115:01, 1160:01, 1175:01																																																																																																																												
*368:01																																																																																																																												
*369:01																																																																																																																												
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*384:01																																																																																																																												
*385:01																																																																																																																												
*386:01, 1488:01N																																																																																																																												
*387:01																																																																																																																												
*388:01, 517:01																																																																																																																												
*389:01																																																																																																																												
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*398:01																																																																																																																												
*399:01, 911:01N																																																																																																																												
*400:01																																																																																																																												
*401:01:01N																																																																																																																												
*403:01N																																																																																																																												
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*405:01																																																																																																																												
*406:01																																																																																																																												
Well No.																																																																																																																												
DPB1 allele[1,2,3]																																																																																																																												
*408:01																																																																																																																												

Negative Control

This page is a DPB1 allele reactivity worksheet (SSO probe reaction grid). The left column lists DPB1 alleles; the columns across the grid correspond to well numbers 1–96, followed by a "Negative Control" column at the far right.

DPB1 allele[1,2,3]
*409:01, 446:01, 492:01, 629:01, 1355:01
*411:01, 1141:01
*412:01
*413:01
*414:01:01:01-414:01:01:03
*416:01:01:01-416:01:02
*416:01:03
*417:01:01, 979:01, 1137:01, 1151:01, 1287:01, 1310:01, 1314:01, 1341:01, 1361:01, 1443:01, 1464:01, 1506:01
*418:01
*419:01
*421:01, 430:01
*422:01
*423:01:01-423:01:02
*424:01
*429:01
*431:01
*432:01
*433:01
*435:01, 1078:01
*436:01, 481:01, 483:01, 542:01, 543:01, 632:01, 870:01N
*437:01
*438:01
*439:01, 509:01, 548:01, 568:01, 610:01, 645:01, 664:01, 688:01, 760:01, 1041:01N
*440:01
*441:01
*442:01
*443:01
*445:01
*448:01
*450:01N
*451:01
*452:01
*453:01
*454:01
*455:01N
*458:01:01
*458:01:02
*459:01
*460:01
*462:01
*463:01:01:01-463:01:01:03
*464:01
*466:01
*467:01
*470:01
*471:01

Well No. row: columns numbered 1–96

DPB1 allele[1,2,3]
*472:01
*474:01
*475:01

Far-right column label: Negative Control

DPB1 allele	Reactivity pattern (wells 1–96)	Negative Control
*476:01		
*478:01, 496:01, 590:01		
*480:01		
*482:01		
*484:01		
*485:01		
*486:01		
*487:01		
*488:01		
*489:01		
*490:01		
*491:01		
*493:01		
*495:01		
*497:01, 1454:01		
*498:01, 572:01[4]		
*499:01		
*500:01		
*501:01		
*503:01		
*504:01		
*505:01		
*506:01		
*507:01N		
*508:01		
*510:01		
*511:01		
*512:01		
*513:01		
*514:01		
*515:01		
*516:01		
*519:01		
*520:01		
*522:01		
*523:01:01		
*523:01:02		
*526:01		
*527:01		
*530:01		
*531:01		
*532:01		
*533:01		
*534:01		
*535:01		
*536:01		
*538:01		

Well No.: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

DPB1 allele[1,2,3]

DPB1 allele	Reactivity pattern	Negative Control
*539:01		
*540:01		
*541:01		
*545:01		
*547:01		
*549:01		

DPB1 allele	Well No.
*550:01	
*551:01N	
*552:01	
*555:01	
*557:01	
558:01	
*559:01	
*561:01	
*563:01	
*566:01	
*567:01	
570:01N	
*571:01	
573:01	
*574:01	
*575:01	
576:01	
577:01	
*580:01	
*581:01	
*582:01	
*584:01:01:01-584:01:02:02	
*585:01:01:01-585:01:01:02	
587:01	
*588:01	
*589:01	
*594:01	
*598:01N	
599:01	
*601:01	
*603:01	
604:01	
*608:01	
*609:01	
*611:01	
*613:01	
*617:01	
*619:01	
*620:01	
*621:01	
*622:01	
*623:01	
*624:01	
*626:01	
*630:01	

Well No.: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

DPB1 allele[1,2,3]

DPB1 allele	
*631:01	
*633:01	
634:01	
*635:01	
*636:01	
*637:01	
*638:01	
*641:01	

Negative Control

This page is a DPB1 SSO/SSP reaction worksheet grid. The left column lists DPB1 alleles; columns across the top correspond to well numbers, with "+", "?", or "w" marks indicating reactions. A rotated label "Negative Control" appears at the right edge.

Allele (row) labels, top to bottom:

- *644:01
- *646:01
- *648:01:01:01-648:01:01:02
- *650:01
- **651:01**
- **652:01**
- **656:01**
- *657:01N
- **658:01**
- *659:01
- *660:01
- *661:01N
- **662:01**
- *663:01
- *665:01:01-665:01:02
- **674:01**
- **679:01**
- **681:01**
- **682:01**
- **683:01**
- *684:01
- *686:01
- *687:01
- *689:01
- *691:01N
- *693:01N
- *694:01
- *695:01
- *696:01N
- *697:01Q
- **698:01**
- **699:01**
- **700:01N**
- *702:01
- *703:01, 822:01, 888:01, 924:01, 991:01, 1065:01
- *709:01
- *710:01, 1169:01N
- *711:01
- *712:01N
- *713:01

Well No. / DPB1 allele[1,2,3] (header rows, well numbering 1–96)

- *715:01
- *716:01
- *717:01
- *718:01
- *720:01
- *721:01
- *722:01
- *727:01, 792:01N, 829:01, 839:01, 855:01, 876:01N, 883:01, 935:01Q, 941:01N, 970:01, 1000:01, 1014:01, 1030:01, 1093:01, 1202:01N, 1269:01N

Right margin label: Negative Control

Negative Control (vertical label, right margin)

DPB1 allele	Well marks
*729:01, 798:01, 802:01, 847:01, 848:01, 851:01, 860:01, 971:01, 1015:01, 1018:01, 1172:01, 1213:01	
*736:01	
*739:01	
*740:01	
*744:01	
*745:01	
*746:01	
*747:01	
*749:01	
*751:01	
*752:01	
*762:01	
*763:01	
*766:01, 779:01	
*768:01	
*770:01	
*772:01	
*774:01	
*775:01	
*778:01	
*781:01	
*782:01	
*785:01	
*787:01	
*789:01	
*790:01	
*791:01	
*796:01	
*801:01	
*805:01	
*815:01	
*816:01	
*821:01N	
*825:01	
*826:01	
*830:01	
*833:01	

Well No. (1–96)

DPB1 allele[1,2,3]

DPB1 allele	
*834:01	
*835:01:01:01-835:01:01:03	
*840:01	
*843:01	
*853:01	
*854:01	
*856:01	
*864:01, 886:01	
*865:01N	
*889:01	
*891:01	
*892:01	
*896:01	
*898:01	

The page is a 96-well reactivity worksheet. Row labels (DPB1 alleles) are listed at left; columns are numbered Well No. 1–96 with reactivity marks (+, ?, w) scattered across the grid, and a "Negative Control" column at the far right.

DPB1 allele[1,2,3] (upper block):

- *899:01
- *900:01
- *901:01
- *902:01
- *903:01
- *904:01
- *905:01
- *906:01
- *907:01:01-907:01:02
- *908:01
- *909:01
- *910:01
- *912:01
- *913:01
- *914:01
- *916:01
- *917:01N
- *918:01
- *920:01
- *922:01
- *923:01
- *926:01, 1225:01
- *928:01
- *929:01
- *930:01
- *934:01Q
- *937:01
- *940:01
- *942:01
- *943:01
- *944:01
- *945:01
- *960:01N
- *961:01
- *962:01
- *964:01

Well No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

DPB1 allele[1,2,3] (lower block):

- *968:01
- *972:01
- *976:01
- *980:01
- *982:01
- *987:01
- *994:01
- *995:01N, 1092:01Q
- *996:01
- *1006:01
- *1007:01
- *1008:01
- *1012:01
- *1013:01, 1031:01
- *1017:01
- *1019:01, 1186:01
- *1021:01

(Right-hand column label: Negative Control)

DPB1 2023 3S4 R02.xlsx

DPB1 allele[1,2,3]	Reactivity pattern across wells 1–96	Negative Control
*1026:01		
*1027:01		
*1029:01N		
*1034:01		
*1037:01		
*1039:01		
*1040:01		
*1044:01N, 1343:01, 1433:01		
*1045:01N		
*1046:01		
*1047:01		
*1050:01:01-1050:01:02		
*1056:01		
*1057:01, 1069:01, 1105:01, 1123:01, 1185:01, 1294:01, 1306:01, 1333:01, 1342:01, 1451:01, 1489:01		
*1061:01		
*1066:01:01		
*1067:01, 1431:01:02		
*1073:01		
*1080:01		
*1081:01, 1334:01N		
*1087:01, 1111:01, 1278:01		
*1090:01		
*1095:01		
*1096:01		
*1103:01		
*1104:01		
*1106:01, 1171:01, 1445:01, 1482:01N		
*1108:01		
*1109:01		
*1110:01		
*1119:01		
*1121:01N		
*1122:01		
*1125:01		
*1130:01		
*1133:01		
*1136:01		
*1138:01		
*1140:01		
*1142:01		
*1143:01		
*1145:01		
*1147:01		
*1148:01Q		
*1149:01		
*1150:01		
*1154:01N		
*1165:01		
*1170:01		
*1174:01		
*1180:01		

Well No.: 1–96

Row labels (top section):

- *1182:01
- *1189:01
- *1190:01
- *1193:01N
- *1194:01
- *1200:01
- *1203:01
- *1204:01
- *1205:01
- *1209:01
- *1211:01
- *1216:01
- *1219:01
- *1220:01
- *1224:01
- *1229:01
- *1230:01
- *1236:01
- *1240:01
- *1246:01
- *1253:01
- *1264:01
- *1273:01
- *1276:01
- *1277:01
- *1279:01N
- *1281:01
- *1286:01
- *1288:01N
- *1292:01
- *1293:01

Well No. (columns 1–96):
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

DPB1 allele[1,2,3]

Row labels (bottom section):

- *1296:01
- *1299:01N
- *1301:01
- *1307:01
- *1309:01
- *1311:01
- *1319:01
- *1324:01
- *1325:01N
- *1327:01
- *1329:01
- *1330:01
- *1331:01
- *1337:01
- *1349:01
- *1353:01
- *1356:01
- *1357:01N
- *1359:01
- *1360:01
- *1366:01
- *1372:01:01:01-1372:01:01:01:02

Right margin: Negative Control

Allele	Well No. 1–96	
*1383:01	(reaction pattern)	Negative Control
*1393:01	(reaction pattern)	
*1399:01	(reaction pattern)	
*1400:01	(reaction pattern)	
*1403:01	(reaction pattern)	
*1404:01	(reaction pattern)	
*1410:01	(reaction pattern)	
*1411:01	(reaction pattern)	
*1422:01	(reaction pattern)	
*1425:01	(reaction pattern)	
*1427:01	(reaction pattern)	
*1428:01	(reaction pattern)	
*1429:01	(reaction pattern)	
*1432:01	(reaction pattern)	
*1439:01N	(reaction pattern)	
*1441:01, 1496:01	(reaction pattern)	
*1448:01	(reaction pattern)	
*1452:01	(reaction pattern)	
*1453:01	(reaction pattern)	
*1463:01N	(reaction pattern)	
*1466:01	(reaction pattern)	
*1469:01	(reaction pattern)	
*1474:01	(reaction pattern)	
*1477:01	(reaction pattern)	
*1480:01	(reaction pattern)	

Well No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

Allele	Well No. 1–96	
*1483:01	(reaction pattern)	Negative Control
*1484:01	(reaction pattern)	
*1492:01	(reaction pattern)	
*1493:01	(reaction pattern)	
*1495:01	(reaction pattern)	
*1502:01	(reaction pattern)	
*1505:01	(reaction pattern)	
*1507:01	(reaction pattern)	

Well No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96