

Table S1 - BCL2 mutations in DLBCL cell lines and primary cases

Sample	BCL2 locus	# of mutations	Mutations	AA changes	Mut. frequency ⁶	Polymorphisms
Ly2 ¹	t(14;18) ^{1,2}	107	D7bp -460-454, C-445T, C-444T, G-436A, G-427A, +C stretch -411-407, C-401T, T-397C, A-377T, T-356C, A-334G, G-330T, T-320C, C-311G, T-300C, C-290T, A-289T, T-286A, G-285A, C-239T, C-222G, G202A, G-180C, T-178G, G-161A, C-160A, A-137G, A-125G, T-96A, T-46C, G-39C, A10G, G83A, C99T, A119T, G128T, A130T, A141C, G149C, G191A, A200C, T203A, A210G, G231C, A254G, G261A, T289C, A290T, T295G, T322A, T334C, T357C, C360G, G370A, A400T, T424C, G428C, T431C, C462G, T470C, A506T, A532G, T618A, G620A, G624C, C640T, T641A, G659A, G663A, G666C +/-, D14bp 685-98, A711G, G729A +/-, <u>T744C, T774C, C848T +/-, T859C, C975T, C1106T, C1197T, C1274T</u> , A1383T, A1384C, A1408G, C1442A, A1509G, G1513C, T1515C, G1517A, T1522A, G1524A, G1549C, A1559G +/-, G1570C, T1571A, T1575G, A1579T, G1588A, G1599C, C1634T +/-, T1669C, T1670C, C1727T, C1731T, A1759G, A2016G, T2377C, C2554T	T744C, T774C, C848T (A45V), T859C (F49L), G969A, C975T, C1106T (A131V), C1197T, C1274T (T187I)	1.528	G65C +/-, <u>G969A</u> (silent) +/-, G2653A +/-
Ly3	t(14;18) ²	3	C-353T, <u>C1197T</u> , C1307T	C1197T	0.038	G65C +/-, C1438G +/-, G2653A +/-
Ly4	- ²	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
Ly7	- ²	0	-	-	0.000	G65C +/-, G2653A +/-
Ly8	t(14;18) ²	37	T-47C, C71G, C72T, C99G, A242G, A317C, G370A, C497T, C498T, <u>G753A, G780A, G895A, G967A, C997G, G1071A, G1100A, G1224A</u> , G1303A, G1328C, T1385A, G1391A, T1409G, C1461T, C1514T, G1543A, G1599C, G1646C, A1672G, T1684G, G1924A, G2178A, G2312T, G2428A, G2522A, G2643A, T3057C, C3078G	G753A, G780A, G895A (A61T), G967A, G969A (A85T), C997G (L95V), G1071A, G1100A (R129H), G1224A	0.471	C-224A +/-, G65C +/-, G697A +/-, <u>G841A</u> (A43T) +/-, <u>G969A</u> +/-, G1650T +/-, G2653A +/-
Ly10	Amplification	15	C-14T, C91T, A92C, C194T, C194G, G212C, D11bp 414-24, C462T, G509C, G620C, D13bp 687-99, <u>C970T</u> , C1324T, C1443G, D10bp 1510-9	C970T (L86F)	0.190	C-224A +/-, G65C +/-, <u>C1014T</u> (silent), G1650T +/-, G2653A +/-
Ly18	t(14;18) ²	44	C-460G, C-415T, G-337C, C-304A, A-296C, T-273C, T-51G, T-48C, T-16A, T-6C, A130C, C189A, A193C, G263C, T270C, G280A, C316T, G382A, T391C, A400G, G449A, T460A, C476G, G479A, C632G, C667T, <u>C771G, C781T, T784G, A984T, C997G, C997T, G1059C, G1178C, C1230A</u> , G1419A, A1478T, G1491A, G1517A, A1534C, C1544G, C1609T, C1671T, A2887C	C771G (I19M), C781T, T784G (S24A), A984T, C997G, C997T (L95V), G1178C (G155A), C1230A (N172K)	0.558	G65C +/-, C1400T +/-, G2653A +/-

RC-K8	- ²	0	-	-	0.000	G65C+/, <u>G841A</u> (A43T) +/-, G2653A +/-
SUDHL6	t(14;18) ²	55	T-755C, G-660A, C-571T, C-489T, T-441C, T-440C, A-432G, +G -425, A-416G, C-413G, C-411T, C-357T, A-355G, C-322T, G-291C, C-284G, D13bp -190-178, G-139A, A-77G, T-76C, T-16C, T113A, A145C, G191A, A290C, C328G, T354A, A361G, A372T, G377A, A379T, T406G, A433G, G449C, C457A, A489G, A518C, T533A, T618G, A712G, <u>C734G, A735T, G738T, A856T, G927A, G930A, C1099T, C1343T, T1395C, DA stretch 1410-3, G1599T, C1600T, G1605A, C1609T, G2470A</u>	C734G, A735T (T7S), G738T, A856T (I48F), G927A, G930A, C1099T (R129C)	0.698	G65C +/-, G2653A +/-
VAL	t(14;18) ²	60	G-800T, G-453A, G-429A, C-395G, C-378A, C-346T, C-311G, C-170A, C-131T, A119G, G219T, A241T, T244C, A254C, T267G, dupl. 38bp 229-266 at pos. 267, C328A, T460G, C462T, T473A, G479T, A495G, G624C, T638C, T699A, <u>G728A, A745C, C858T, A878C, C970G, C985T, C1106T, G1149A, G1178C, G1179A, C1230T, A1383G, C1443G, G1462C, T1483G, T1495C, C1510G, C1514G, G1537A, T1546C, T1578C, C1600G, G1606C, C1647T, C1671T, T1684A, T1693A, C1695T, T1707G, dupl. 108bp 1604-1711 at pos. 1712, C1746G, T1751C, T1788C, A2117T, A2138G</u>	G728A (G5E), A745C (N11H), C858T, A878C (H55P), C970G (L86V), C985T (P91S), C1106T (A131V), G1149A, G1178C (G155A), G1179A, C1230T	0.759	C-322A, C-160T, G65C +/-, G2653A +/-
SUDHL4	t(14;18) ²	38	D31bp -466-436, A-435C, G-347A, C-307T, T-288C, C-219T, T-216A, C-207T, T88G, T100G, T153G, T195C, T203A, C272T, C309T, A335G, C336G, C447G, C457A, D4bp 469-472, C590T, C621G, C634T, G714T, <u>A849G, C867G, C889A, C1065G, A1509T, A1535C, A1551T, A1579T, C1580G, C1581T, C1583T, A1642C, G1704C, A1828G</u>	A849G, C867G, C889A (P59A), C1065G (S117R)	0.489	G65C +/-, G697A +/-, C1400T +/-, G2653A +/-
SUDHL5	- ²	0	-	-	0.000	C-224A +/-, G65C +/-, <u>C1014T</u> (silent), G1650T +/-, G2653A +/-
SUDHL7	- ²	15	C-599T, A-296G, G-261C, C172T, C351T, dupl. 54bp 406-59 pos. 460, A459G, A461T, C462G, T478C, +C stretch 689-93, G694C, G2470A, G2596C, A2682C	-	0.211	G65C +/-, G697A +/-, G2653A +/-
SUDHL10	- ²	1	T627C	-	0.013	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
DB	t(14;18) ²	0	-	-	0.000	G65C+/, G2653A +/-
WSU	t(14;18) ²	9	C-562T, A-17T, G6C, C185G, G678A, G679A, <u>G724A</u> , C1329G, A1801G	G724A (A4T)	0.115	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, C1400T +/-, G1650T +/-, G2653A +/-
SUDHL2	- ²	0	-	-	0.000	G65C +/-, G2653A +/-

RIVA	Amplification ²	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
U2932	Amplification ²	0	-	-	0.000	G65C +/-, G2653A +/-
HBL1	- ²	2	C-146T, C385A	-	0.026	C-224A +/-, G65C +/-, C698T +/-, G1650T +/-, G2653A +/-
Ramos	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2012	-	0	-	-	0.000	C-224A +/-, G65C +/-, G1650T +/-, G2653A +/-
2015	- ³	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2016	-	0	-	-	0.000	G65C +/-, G2653A +/-
2017	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2019	Amplification	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2020	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>C1014T</u> (silent), G2653A +/-
2023	-	0	-	-	0.000	G65C +/-, G2653A +/-
2024	-	1	G404C	-	0.015	C-322A +/-, A-309G +/-, C- 224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, G2653A +/-
2025	-	0	-	-	0.000	C-322A +/-, A-309G +/-, C- 160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G2653A +/-
2026	-	1	G263A	-	0.014	C-224A +/-, G65C +/-, G1650T +/-, G2653A +/-
2027	Translocated	32	G-796C, C-562T, G-540A, D3bp - 537-5, G-531A, A-529C, G-429C, G-361A, A-265G, T-104C, T-52A, DC 39, C40T, T44C, T47A, T48C, C301A, A315T, T371C, A396G, T405C, T519G, A554G, <u>G765C</u> , <u>G780A</u> , <u>G1239T</u> , T1357G, C1449T, G1590T, D12bp 1592-1603, A2480G, G2499C	G765C (K17N), G780A, G1239T	0.453	G65C +/-, G2653A +/-
2029	-	0	-	-	0.000	C-224A +/-, G65C +/-, G2653A +/-
2031	- ³	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-

2032	-	0	-	-	0.000	C-322A +/-, A-309G +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, G2653A +/-
2033	Amplification	1	G1570T	-	0.015	G65C +/-, G2653A +/-
2034	Amplification	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2035	Translocated	0	-	-	0.000	C-224A +/-, G65C +/-, A735G (silent) +/-, G1650T +/-, T1900C +/-, G2653A +/-
2036	-	0	-	-	0.000	G65C +/-, G2653A +/-
2037	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2038	-	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2040 ⁵	-	0	-	-	0.000	+19 bp (CGCCCGCCGCTCCCGC C) pos. -719, C-224A +/-, G65C +/-, <u>C1014T</u> (silent), G1650T +/-, G2653A +/-
2041	Amplification	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2043	- ³	1	A1756G	-	0.014	C-224A +/-, G65C +/-, G2653A +/-
2046	-	0	-	-	0.000	G65C +/-, G2653A +/-
2047	-	0	-	-	0.000	C-322A +/-, A-309G +/-, C-160T +/-, +GGG 61-4 +/-, G65C +/-, C582T +/-, G2653A +/-
2053	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2057	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2059	Amplification	4	C-28T, G167A, <u>D14bp 780-93</u> , G1599A	D14bp 780-93	0.056	G65C +/-, C698T, G2653A +/-
2060	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2061	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-

2062	-	53	A-798G, G-787A, D94bp -748-655, G-639A, A-434G, A-426G, C-415T, T-324C, C-284T, A-276G, T-250A, G-180A, G-132A, A-125C, G-23A, A37G, G74A, A103T, T113G, A141T, A145T, T147A, G191C, T195C, A241T, G308T, T322C, G332A, A335C, T337C, C351T, C362T, T371C, A379G, C386A, T391C, T395C, T405G, A468G, A472G, <u>C747T</u> , <u>G854A</u> , <u>C1008T</u> , <u>A1098G</u> , C1376A, C1400T, A1413C, G1419C, A1500C, C1544T, A1579C, A1598T, G1605T, T1639C, A1719G, C2650G	C747T, C1008T, A1098G	0.764	C-224A +/-, G65C +/-, <u>C328T</u> +/-, <u>G854A</u> (G47D) +/-, <u>C1400T</u> +/-, G1650T +/-, G2653A +/-
2063	Amplification	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2065	-	1	C421T	-	0.014	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2067	Translocated	173	T-178A, G-174A, A-95G, A-85G, A-78T, A-73G, C-56T, T-51A, G-39A, T-6A, T-5C, T1G, A16G, G22A, C31G, T51G, C78T, A79C, G84T, A97C, G98A, T100G, A109G, C115T, G129A, T131C, T140C, A145G, G149A, T156C, T158C, T159C, G168A, G188A, A193C, C194T, A207G, G208C, A210G, A211C, A227C, A228T, G231A, G232C, A237T, G239T, A241C, C243G, A253C, T267C, T273C, T298A, G308A, T318C, T321A, T322C, A335C, A341T, T358C, T371C, G377A, C381G, G388A, T392G, T393C, T402A, T418A, C434T, A444G, +GAAGTC pos. 445, A452G, T454C, C457T, A461T, A465G, A471G, A472C, T473G, A475G, G503C, G510C, A512G, C522A, C531T, A546G, G552A, T555G, G561T, T572C, A576G, A596T, A600G, A617G, G620A, A625C, T638A, D7bp 665-71, G684A, C689G, G708A, G709C, G714A, <u>A733T</u> , <u>A740C</u> , <u>C741T</u> , <u>C768T</u> , <u>C781T</u> , <u>G786A</u> , <u>G810T</u> , <u>T857G</u> , <u>G895A</u> , <u>C900T</u> , <u>G902C</u> , <u>G909C</u> , <u>C1069T</u> , <u>T1084C</u> , <u>C1106A</u> , <u>A1201G</u> , <u>C1230T</u> , <u>A1231G</u> , <u>C1260T</u> , <u>G1263A</u> , <u>C1272G</u> , <u>A1273T</u> , G1386C, T1409A, C1429T, T1440A, C1446G, T1450C, C1488A, C1492T, C1514A, D13bp 1533-45, T1563A, T1575A, dupl. 39 bp 1613-51 pos. 1652, C1617T, C1634T, C1657G, T1682A, T1684C, C1715G, C1727T, T1764G, A1787G, A1828C, A1837T, G1852C, A1889G, A1897T, T1901G, T1979A, A2040C, A2150G, T2161A, T2227A, T2249C, T2268C, T2279C, T2297C, A2299G, T2368C, T2379C, A2382G, T2383C, T2425G, A2446G, A2473T, T2504C, A2539G, C2554T, A2660T	A733T (T7S), A740C, C741T (Y9S), C768T, C781T, G786A, G810T, T857G (I48S), G895A (A61T), C900T, G902C (R63P), G909C, C1069T, T1084C (F124L), C1106A (A131D), A1201G (N163D), C1230T, A1231G (I173V), C1260T, G1263A, C1272G (H186Q), A1273T	2.445	C-224A +/-, G65C +/-, <u>C328T</u> +/-, <u>G697A</u> +/-, <u>C698T</u> +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2069 ⁵	Translocated	2	G-180A (?), <u>C1038T</u> (?)	C1038T	0.028	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-

2072	- ³	0	-	-	0.000	C-224A +/+, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+
2073	-	0	-	-	0.000	G65C +/+, G2653A +/+
2075	- ³	0	-	-	0.000	G65C +/+, G2653A +/+
2076	-	0	-	-	0.000	C-224A +/-, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+
2078	Translocated	4	C1461T, G1730C, A1840G, T1863C	-	0.057	G65C +/+, G2653A +/+
2082	-	0	-	-	0.000	G65C +/+, G2653A +/+
2085	-	0	-	-	0.000	G65C +/+, G2653A +/+
2087	- ³	0	-	-	0.000	G65C +/+, <u>A735G</u> (silent) +/-, G1360A +/-, G1650T +/-, T1900C +/-, G2653A +/+
2089	-	0	-	-	0.000	C-224A +/+, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+
2091	-	5	C53T, G98A, G129A, <u>G753A</u> , <u>C850T</u>	G753A, C850T (P46S)	0.071	C-224A +/-, G65C +/+, <u>C1014T</u> (silent), G1650T +/-, G2653A +/+
2093	-	0	-	-	0.000	G65C +/+, G2653A +/+
2094	- ³	0	-	-	0.000	C-224A +/-, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+
2096	-	0	-	-	0.000	C-322A +/-, A-309G +/-, C- 224A +/+, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+
2097	-	0	-	-	0.000	C-224A +/+, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+
2099	- ⁴	0	-	-	0.000	C-224A +/-, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, T1900C +/-, G2653A +/+
2100	-	0	-	-	0.000	C-224A +/+, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+
2101	-	0	-	-	0.000	C-224A +/-, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+
2102	-	0	-	-	0.000	C-224A +/-, G65C +/+, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/+

2104	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2105	Translocated	32	A-798T, C-517T, A-432G, T-420G, A-355G, C-284T, T-273C, A-118C, G-39A, C-28T, A13C, G28C, C105T, A242G, A271G, C301G, T314A, A335C, A379G, A557G, C590A, A607T, <u>C1106A</u> , <u>G1251C</u> , G1306A, G1517A, G1605A, G1606A, A1961C, T2266C, T2297C, T2512A	C1106A (A131D), G1251C (E179D)	0.451	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2106	Translocated	100	G-810A, G-566A, G-563A, A-529C, T-524C, G-497C, G-436A, G-427A, A-425G, C-414A, G-176C, T-162C, G-153C, A-118G, A-97G, C-94T, C-68A, T-54A, T-52C, T-50C, T-49C, T-45G, G-18C, G-9A, G-8C, G6T, A10T, G11T, T30C, A52T, C99G, A141C, T159C, A165G, A166G, A169G, C189A, A193T, C194T, A200C, A204G, G212T, A254G, T260G, A271T, C272T, C281T, T314C, A317G, A335G, C336T, C351T, A365T, C373T, A379T, A380G, T391C, T392G, D26bp 398-424, G438T, T443A, G449C, T451G, T453G, T460A, T464G, C466G, A468C, T470G, A475T, T482A, T490A, A493C, G494C, A501G, A515G, A517C, T533C, A554C, A558G, A596G, G603C, T626G, T629A, T647G, G659A, C698G, T700C, G713A, G714C, <u>C864T</u> , <u>C893G</u> , <u>C900G</u> , <u>C1035G</u> , <u>G1077C</u> , <u>G1179C</u> , T1357C, C1510T, A1559T, D289bp 1568-1857	C864T, C893G (A60D), C900G, C1035G, G1077C, G1179C	1.408	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C, <u>A735G</u> (silent) +/-, <u>G854A</u> (G47D) +/-, G2653A +/-
2108	-	0	-	-	0.000	G65C +/-, G2653A +/-
2109	Translocated	11	A9G, T331C, G428C, G510C, C621T, G714C, <u>G814C</u> , <u>C1052G</u> , <u>G1100T</u> , G1529C, T1578C	G814C (D34H), C1052G (A113G), G1100T (R129L)	0.156	C-486T, C-322A +/-, A-309G +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, C328T +/-, G2653A +/-
2110	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, T1900C +/-, G2653A +/-
2113	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2115	- ³	0	-	-	0.000	G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2122	Translocated	50	G208A, G212C, G278C, C306T, G382T, C385G, T423C, A452C, T460A, A469T, T470G, A471C, A511G, A527T, A554G, G561T, A596T, G666A, G678A, DC 704, <u>G718A</u> , <u>G738A</u> , <u>G780A</u> , <u>C970T</u> , <u>T1085C</u> , G1390A, G1391A, G1425C, A1441G, C1443T, T1447C, C1465T, C1469T, A1509C, G1513C, G1517C, T1525C, C1540G, A1574G, C1580G, A1598G, C1600G, C1608G, C1695T, T1750C, C1774T, A1825C, A2542G, A2581C, A2609C	G718A (A2F), G738A, G780A, C970T (L86F), T1085C (F124S)	0.914	G65C +/-, C328T +/-, C698T +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2124	-	0	-	-	0.000	G65C +/-, G2653A +/-

2125	-	2	C673T, +T 1633	-	0.028	G65C +/-, C1438G +/-, G2653A +/-
2126	Translocated	21	C-543G, A-454G, G-347C, G-305C, T-301C, C-284T, T-283A, T26G, T293A, A348T, T402A, A484G, C698G, G709A, T1385A, T1409G, G1524T, G1560A, G1561C, T1693A, A2480G	-	0.297	G65C +/-, G2653A +/-
2127	- ³	0	-	-	0.000	C-322A +/-, A-309G +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, G2653A +/-
2130	-	2	G1328A, G1577T	-	0.028	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, T1900C +/-, (G2653A +/-)
2132	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2134	Translocated	13	G-31A, A9G, C215T, A241C, G263A, G449C, T451G, A558G, T680C, <u>G819C</u> , T1325G, T1342G, G1599C	G819C	0.198	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2135	- ³	0	-	-	0.000	G65C +/-, C582T +/-, G2653A +/-
2136	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2137	- ³	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2138	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2139	-	0	-	-	0.000	C-224A +/-, G65C +/-, G1650T +/-, G2653A +/-
2140	Translocated	14	A165G, T235G, T334G, C373T, A489G, A492C, G503A, A517G, <u>C747T</u> , <u>C839T</u> , <u>C842T</u> , G1312A, D34bp 1402-35, A1787G	C747T, C839T (A42V), C842T (A43V)	0.275	G65C +/-, <u>G854A</u> (G47D) +/-, G2653A +/-
2141	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-
2143	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2144	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2145 ⁵	-	11	C-144T, C194T, D5bp 320-4, D4bp 352-5, T357C, C362T, G624A, G710A, <u>G724T</u> , <u>G789C</u> , G1561A	G724T (A3S), G789C (Q24H)	0.177	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-

2147	Amplification	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, (G2653A +/-)
2148	- ³	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, (G2653A +/-)
2151	-	3	D15bp 191-205, C447T, C604T	-	0.042	C-224A +/-, G65C +/-, <u>C698T</u> +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2152	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, (G2653A +/-)
2154	Amplification	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2156	-	1	T-693C	-	0.015	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, C1438G +/-, G1650T +/-, (G2653A +/-)
2157	t(14;18) ³	150	G-167T, G-155A, G-153A, G-141T, A-137G, C-131T, G-127A, A-126G, A-112C, A-95T, A-85G, A-83G, G-39C, C-38T, A-32T, G-19A, A25T, C53T, C69G, D23bp 74-96, C99T, A101G, A109G, G114C, C161T, A170C, G181C, C189A, G191A, A193T, C194A, A199G, A201C, G208A, A210G, G212A, C217G, T234G, T269G, T270C, T274G, A290G, A292C, A307C, C309T, D3bp 333-5, T338A, G344T, G346C, T347C, A348G, T349G, D2bp 351-2, T354A, C356T, T359A, A361G, DG 362, T363A, G366A, G368C, G370T, A372T, C373T, D4bp 376-9, A380C, C383T, A384C, T387A, D10bp 391-400, T401G, T406G, T407G, G408C, T410A, T412G, T413C, T414C, T417G, T418G, A419C, C421A, T423A, T424C, DG 429, T431G, C432T, A433G, G436C, G442C, T443G, A444C, G445A, A452C, A455C, D14bp 461-71, A475G, C476G, A558C, G603T, C604T, A612C, DA 614, T618G, A619G, A625C, T626C, C632G, T638G, C644A, G678A, T701C, C704T, G710A, G713A, <u>G718A</u> , <u>T726A</u> , <u>C734T</u> , <u>G765A</u> , <u>A790C</u> , <u>A849T</u> , <u>C861A</u> , <u>G876A</u> , <u>G882A</u> , <u>C890T</u> , <u>C893T</u> , <u>G895A</u> , <u>C920G</u> , <u>C921T</u> , <u>G924A</u> , <u>C925T</u> , <u>C928T</u> , <u>C936T</u> , <u>G940A</u> , <u>G967A</u> , <u>C968T</u> , <u>C970T</u> , <u>C972T</u> , <u>C975G</u> , <u>C976T</u> , <u>G979C</u> , <u>C982T</u> , <u>A984C</u> , <u>G991A</u> , <u>C1052T</u> , <u>C1065T</u> , <u>G1068A</u> , <u>G1071A</u> , <u>C1100A</u> , <u>C1106A</u>	G718A (A2T), T726A, C734T (T7I), G765A, A790C, A849T, C861A (F49L), G876A, G882A, C890T (P59L), C893T (A60V), G895A (A61T), C920G, C921T (T69S), G924A, C925T (P71S), C928T, C936T, G940A (A76T), G967A, C968T, G969A (A85I), C970T, C972T (L86F), C975G (S87R), C976T (P88S), G979C (V89L), C982T, A984C (P90S), G991A (V92I), C1052T (A113V), C1065T, G1068A, G1071A, G1100A (R129H), C1106A (A131D)	2.212	C-322A +/-, A-309G +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, G342A +/-, <u>C698T</u> +/-, <u>G854A</u> (G47D) +/-, <u>G969A</u> (silent) +/-, (G2653A +/-)

2158	- ⁴	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, G1650T +/-, (G2653A +/-)
2160	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2161	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>C1014T</u> (silent) +/-, G1650T +/-
2162	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, (G2653A +/-)
2163	-	0	-	-	0.000	G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2164	-	1	C-103A	-	0.014	G65C +/-, G2653A +/-
2165	-	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>G841A</u> (A43T) +/-, G1650T +/-, G2653A +/-
2166	Amplification	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2167	- ³	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, T1900C +/-, G2653A +/-
2168	- ³	2	C-106T, C1580T	-	0.028	G65C +/-, G2653A +/-
2169	-	0	-	-	0.000	G65C +/-, G2653A +/-
2170	- ³	0	-	-	0.000	C-322A +/-, A-309G +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, G342A +/-, (G2653A +/-)
2171	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2172	Translocated	7	G-297A, G-181T, T638C, T661C, <u>G940A</u> , <u>C1075T</u> , A1559G	G940A (A76T), C1075T	0.103	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1360A +/-, (G2653A +/-)
2173	Amplification	0	-	-	0.000	G65C +/-, (G2653A +/-)
2174	- ⁴	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2175	Amplification	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-

2176 ⁵	Translocated	2	C42T, G1391A	-	0.028	C-486T, C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2180	-	0	-	-	0.000	C-224A +/-, G65C +/-, G1650T +/-, G2653A +/-
2182	-	0	-	-	0.000	C-224A +/-, G65C +/-, G1650T +/-, G2653A +/-
2184	-	0	-	-	0.000	G65C +/-, (G2653A +/-)
2187	-	0	-	-	0.000	C-224A +/-, G65C +/-, G1650T +/-, G2653A +/-
2189	t(14;18)	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2190	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2191	-	0	-	-	0.000	G65C +/-, G2653A +/-
2192	-	1	C673T	-	0.014	G65C +/-, G2653A +/-
2193	Translocated ⁷	0	-	-	0.000	C-224A +/-, G65C +/-, G1650T +/-, G2653A +/-
2194	Amplification	0	-	-	0.000	G65C +/-, G2653A +/-
2195	-	0	-	-	0.000	C-224A +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, G2653A +/-
2196	t(14;18) ³	20	G-563A, A-560T, A-377G, A-317T, A-289T, C194G, A228T, A282T, A290C, G344A, G346A, G370A, A471G, G684A, <u>G738A</u> , T1483C, C1496T, C1510T, C1518T, G1599A	G738A	0.282	C-224A +/-, G65C +/-, C698T +/-, <u>A735G</u> (silent) +/-, C969A (silent) +/-, G1650T +/-, G2653A +/-
2197	- ³	0	-	-	0.000	C-322A +/-, A-309G +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, G2653A +/-
2198	- ³	0	-	-	0.000	C-322A +/-, A-309G +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, G2653A +/-
2199	- ³	0	-	-	0.000	C-322A +/-, A-309G +/-, C-224A +/-, C-160T +/-, +GGG stretch 61-4 +/-, G65C +/-, <u>A735G</u> (silent) +/-, G1650T +/-, T1900C +/-, G2653A +/-
2200	- ³	0	-	-	0.000	G65C +/-, G2653A +/-

Legend

Numbers according to GenBank accession number NM_000633 (position 1 corresponds to the first nucleotide of exon 1), amino acid changes according to NM_000624

Annotations: bp, base pairs, e.g. A130T (A at position 130 changed to T), D, deletion, + insertion, dupl., duplication, changes in coding underlined, NA not available (no product in two independent PCR products), ND, not done

All changes in heterozygosis (+/-), except Ly2 (except otherwise noted), and SUDHL7 (+/-, in heterozygosis, +/+, in homozygosis)

Mutations: changes not reported as polymorphisms, or of proven somatic origin (see remark #5)

Polymorphisms: according to NCBI and Ensembl SNP database, published (Park et al, J Hum Genet 2004) or proven with matched normal DNA (see remark #5), +/-, in heterozygosis, +/+, in homozygosis; changes in *italic* are not reported in SNP databases, but considered as likely polymorphisms as they were seen in more than three samples

¹ Ly2 shares most mutations with Ly1 (data of Ly1 not shown)

² t(14;18) status in cell lines according to Mehra S et al, Genes Chrom Cancer 2002;33:225-34, Deng J et al, Cancer Cell 2007;12:171-85, Sanchez-Izquierdo et al, Blood 2003;101:4539-46, Kaiser-McCaw Hecht, B et al, Cancer Genet Cytogenet 1985;14:205-18, Abe M et al, Cancer 1988;61:483-90, Amini RA et al, Leuk Lymph 2002;43:2179-89, and DSMZ (www.dsmz.de)

³ t(14;18) status determined by PCR only (BIOMED-2, van Dongen JJM et al, Leukemia 2003; 17; 2257-2317), FISH (BCL2 BA) in 3 different cores for the other cases (see also remark #4)

⁴ Result by FISH in 1 of 3 cores only

⁵ Cases with matched normal DNA (somatic origin of mutations / polymorphisms proven)

⁶ as determined in the region analyzed

⁷ Non-IgH rearrangement of BCL2