

**Supplementary Table 2:
Spectral karyotyping (SKY) analysis of LX-2 cells**

| Abberation | P02 | P04 | P07 | P08 | P10 | P11 | P12 | P13 | total no. chromosomes | pos. cells | % |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|------------|------|
| der(1)t(1;6)(q41;q22.3)del(1)(p35) | 1 | | | | | | | | 1 | 1 | 12,5 |
| der(1)t(1;6)(q22;q24) | | 1 | | | | | | | 1 | 1 | |
| der(1)t(1;7)(p22;q22) | | | | | | 1 | | | 1 | 1 | |
| der(1)t(1;7)(p32;q22)t(1;11)(q12;?) | 1 | | | | | | | | 1 | 1 | |
| der(1)t(1;7)(q23;q22)del(1)(p22) | | 1 | | | | | | | 1 | 1 | |
| der(1)t(1;18)(p11;q21)t(1;7)(q42;p12) | | | | | | | 1 | | 1 | 1 | |
| der(1)del(1)(p31)del(1)(q12) | 1 | | | | | | | | 1 | 1 | |
| der(2)t(2;10)(p11;q11) | | | | | | | 1 | | 1 | 1 | |
| del(1)(p11) | | | | | 1 | | | | 1 | 1 | |
| del(1)(q31) | | | 1 | | | | | | 1 | 1 | |
| del(2)(p11) | | | | | | 1 | | | 1 | 1 | |
| del(2)(q11) | 1 | | | | | 1 | 1 | | 3 | 3 | 37,5 |
| der(2)del(2)(p21)del(2)(q23) | | | | | 1 | | | | 1 | 1 | |
| der(2)del(2)(p16)del(2)(q32) | 1 | | | | | | | | 1 | 1 | |
| der(2)del(2)(p13)del(2)(q11) | 1 | | | | | | | | 1 | 1 | |
| der(2)del(2)(p11)del(2)(q23) | | | | | 1 | | | | 1 | 1 | |
| der(2)del(2)(p11)del(2)(q24) | | | 1 | | | | | | 1 | 1 | |
| der(3)t(5;3)(q22;p12)t(3;5)(q24;q23) | | | | | 1 | | | | 1 | 1 | |
| der(3)t(3;20)(q26;q11) | | | | 1 | | | | | 1 | 1 | |
| der(3)t(3;5)(p14;q23) | | | | | 1 | | | | 1 | 1 | |
| der(3)t(3;5)(p11;q23)t(3;5)(q24;q23)del(5)(q14) | | | | | | | 1 | | 1 | 1 | |
| der(3)t(3;6)(qter;q11) | | | | | | | 1 | | 1 | 1 | |
| del(3)(q11) | 1 | | | | | | | | 1 | 1 | |
| del(3)(p11) | 1 | 2 | | | | | | | 3 | 2 | |
| del(3)(q13) | | 1 | | | | | | | 1 | 1 | |
| del(3)(p13) | | | | | 2 | | | | 2 | 1 | |
| del(3)(p14) | | 1 | | | | | | | 1 | 1 | |
| del(3)(q22) | | | | | | 1 | | | 1 | 1 | |
| del(3)(q25) | | | | | | 2 | | | 2 | 1 | |
| del(3)(q26) | | | | | | | | 1 | 1 | 1 | |
| der(3)del(3)(p12)del(3)(q26) | | | | | | | | 1 | 1 | 1 | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|---|------|
| del(8)(p21) | | | 1 | | | 1 | | | 2 | 2 | |
| i(8)(q10) | 1 | | | | | | | | 1 | 1 | |
| der(8)del(8)(p21)del(8)(q11) | | | 1 | | | | | | 1 | 1 | |
| del(8)(p11p21) | 1 | | | | | | | | 1 | 1 | |
| del(8)(q11) | | 1 | | | | | | | 1 | 1 | |
| del(8)(p12) | 1 | | 1 | | | | | | 2 | 2 | |
| del(9)(p11) | 2 | | | | | | | | 2 | 1 | |
| del(9)(p12) | | | | 1 | | | | | 1 | 1 | |
| del(9)(p?) | 1 | | | | | | | | 1 | 1 | |
| del(9)(p21) | | | 1 | | | | | | 1 | 1 | |
| del(9)(q11) | | 1 | | | | | | | 1 | 1 | |
| der(9)t(9;3)(qter;p22)del(9)(p11) | | | | | | | 1 | | 1 | 1 | |
| der(9)t(9;Y)(p11;p11) | | | | 1 | | | | | 1 | 1 | |
| der(9)t(9;14)(p12;q11)t(11;14)(q14;q24)del(11)(q12) | 1 | 2 | 1 | | 2 | 1 | 1 | 2 | 10 | 7 | 87,5 |
| der(10)t(5;10)(p12;p11) | | | | | | | 1 | | 1 | 1 | |
| der(10)del(10)(p11)del(10)(q23) | | | 1 | | | | | | 1 | 1 | |
| der(10)del(10)(p12)del(10)(q23) | | | | | | | 1 | | 1 | 1 | |
| der(10)del(10)(p13)del(10)(q21) | | | | | 1 | | | | 1 | 1 | |
| der(10)del(10)(p14)del(10)(q22) | | | | | | | | 1 | 1 | 1 | |
| del(10)(p11) | | | | | | | | 1 | 1 | 1 | |
| del(10)(p12) | | | 1 | | | | | | 1 | 1 | |
| del(10)(q11) | | 1 | | | | | | | 1 | 1 | |
| del(10)(q22) | 1 | | | 3 | | 2 | | 1 | 7 | 4 | 50 |
| del(10)(q24) | | | | | | | | 1 | 1 | 1 | |
| i(10)(q10) | 1 | | | | | 1 | | | 1 | 1 | |
| del(11)(p13) | | 2 | | | | | | | 2 | 1 | |
| del(11)(p14) | | | | | | | 1 | | 1 | 1 | |
| del(11)(q13) | | | | 1 | | | | | 1 | 1 | |
| del(11)(q22) | | | | | 1 | | | | 1 | 1 | |
| der(11)del(11)(p11)del(11)(q14) | | | | 1 | | | | | 1 | 1 | |
| der(11)del(11)(p11)del(11)(q22) | 2 | | | | | | | 2 | 4 | 2 | |
| der(11)del(11)(p12)del(11)(q14) | | | 2 | | | | | | 2 | 1 | |
| der(11)del(11)(p14)del(11)(q23) | | | | | | | 2 | | 2 | 1 | |
| der(11)t(11;5)(q14;q14) | | | | 1 | | | | | 1 | 1 | |
| der(11)t(11;14)(p11;q32)del(11)(q22) | 1 | | | | | | | | 1 | 1 | |
| der(11)t(11;22)(p11;q12)del(11)(q22) | | | | | | | | 2 | 2 | 1 | |

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|--|
| der(11)del(11)(p14)del(11)(q22) | 1 | | | | | 1 | | | 2 | 2 | |
| i(11)(q10) | | | | | | 1 | | | 1 | 1 | |
| der(12)t(12;22)(q13;q12) | | | | | | | 1 | | 1 | 1 | |
| del(12)(q11) | | 2 | 1 | | | | | | 3 | 2 | |
| del(12)(p12) | | | 1 | | | | | | 1 | 1 | |
| del(12)(p12.3) | | | | | | | | 3 | 3 | 1 | |
| del(13)(q21) | | | 1 | 1 | | | | | 2 | 2 | |
| del(13)(q22) | | | | | 1 | | | | 1 | 1 | |
| del(13)(q32) | 1 | | | | | | | | 1 | 1 | |
| der(13)t(13;15)(p11;q11) | | | | | | | | 1 | 1 | 1 | |
| der(13)t(20;13)(q11;pter) | | | 1 | | | | | | 1 | 1 | |
| der(14)t(21;14)(q11;pter) | | | 1 | | | | | | 1 | 1 | |
| i(15)(p10) | | | | | | | 1 | | 1 | 1 | |
| i(15)(q10) | | | | | | | | 1 | 1 | 1 | |
| del(15)(q23) | | 2 | | | | | | | 2 | 1 | |
| del(15)(q15) | | | | | 1 | | | | 1 | 1 | |
| der(15)t(3;15)(q11;p11) | | | | 1 | | | | | 1 | 1 | |
| der(15)t(8;15)(p11;pter) | | | | | 1 | | | | 1 | 1 | |
| der(15)t(15;13)(qter;q12) | | | 1 | | | | | | 1 | 1 | |
| der(15)t(15;20)(q15;q11) | | | | | | | 1 | | 1 | 1 | |
| der(16)t(16;17)(p11;q11) | | | | | | | 1 | | 1 | 1 | |
| der(16)t(16;17)(q21;q21) | 1 | | | | | | | | 1 | 1 | |
| del(16)(p11) | | | | 1 | | 1 | | | 2 | 2 | |
| idic(16)(pter)del(16)(q12)del(16)(q12) | | | | | 1 | | | | 1 | 1 | |
| der(17)del(17)(p?)del(17)(q?) | | | 1 | | | | | | 1 | 1 | |
| der(17)del(17)(p11)del(17)(q12) | | | | | 1 | | | | 1 | 1 | |
| der(17)t(17;21)(qter;q11) | | | 1 | | | | | | 1 | 1 | |
| del(17)(p11) | | 1 | | | | | | 1 | 2 | 2 | |
| del(17)(q21) | | | | | | | | 1 | 1 | 1 | |
| i(17)(q10) | | 1 | | | | | | | 1 | 1 | |
| del(18)(p11) | | 1 | | | | | | | 1 | 1 | |
| del(18)(q12) | | | | | 1 | | | | 1 | 1 | |
| der(18)t(3;18)(p13;pter) | | | | | | | | 1 | 1 | 1 | |
| der(18)t(8;18)(p11;pter) | | | | | | | | 1 | 1 | 1 | |
| der(18)t(16;18)(p11;p11) | | | 1 | | | | | | 1 | 1 | |
| der(18)dup(18)(q11q21)dup(18)(q11q21) | | | | 1 | | | | | 1 | 1 | |

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|--|
| der(19)t(7;19)(q11;p12) | | | | | 1 | | | | 1 | 1 | |
| del(19)(p12) | | | | | | 1 | | | 1 | 1 | |
| del(19)(p13.1) | | 1 | | | | | | | 1 | 1 | |
| del(19)(q13.1) | | | | 2 | | | | | 2 | 1 | |
| der(20)t(20;9)(q11;q22) | | | | | | 1 | | | 1 | 1 | |
| der(20)t(20;Y)(p11;?) | 1 | | | | | | | | 1 | 1 | |
| del(20)(p11) | | 2 | | | | | | | 2 | 1 | |
| del(20)(q12) | | | | 4 | | | | | 4 | 1 | |
| der(21)t(21;13)(p11;q11) | | | | | | | 1 | | 1 | 1 | |
| der(22)t(22;11)(p11;q11)del(11)(q14) | | | | | | 1 | | | 1 | 1 | |
| der(22)t(22)(8;22)(q22;p11)t(22)(19;22)(q12;q12) | | | | | | 1 | | | 1 | 1 | |
| der(X)del(X)(p21)del(X)(q21) | | | | | 1 | | | | 1 | 1 | |
| der(X)t(X;2)(q22;q32) | | | 2 | | | | | | 2 | 1 | |
| der(X)t(2;X)(p11;q11) | | | | | | | | 1 | 1 | 1 | |
| der(X)t(X;10)(q28;q22)del(X)(p11) | | | | 1 | | | | | 1 | 1 | |
| del(X)(q21) | | | | | | | 1 | | 1 | 1 | |
| del(X)(q24) | | | | | | | 1 | | 1 | 1 | |
| del(X)(q25) | | | | | | | 1 | | 1 | 1 | |
| i(X)(q10) | | | | | | | | 1 | 1 | 1 | |
| der(Y)t(3;Y)(p12;p11) | | 1 | | | | | | | 1 | 1 | |
| der(Y)t(21;Y)(q11;p11) | | | | | | 1 | | | 1 | 1 | |

Note: Chromosome aberrations that were found in 3 or 4 cells of all chromatograms analysed (n = 8) are marked in light grey and those obtained in 7 of 8 cells (87.5%) in dark grey.