

| PROBE:<br>species of probe:                            |          | Supplementary Table 2 |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|--------------------------------------------------------|----------|-----------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------|
|                                                        |          | BLK 1+2<br>HSA        |                     |                     |                   |                     |                     |                     | BLK 6,7,8<br>HSA  |                     |                     |                     |                     |                     |                     | BLK 9<br>HSA      |                     |                     |                     |                     |                     |      |
| species of cells:<br>cell line:<br>gender:             |          | HSA<br>PBL21<br>M     | HSA<br>GM10540<br>M | PTR<br>CRL1847<br>M | PTR<br>"PT5"<br>F | GGO<br>AG05251<br>F | PAB<br>CRL1850<br>F | MMU<br>GM03443<br>F | HSA<br>PBL21<br>M | HSA<br>GM10540<br>M | HSA<br>GM10494<br>M | PTR<br>CRL1847<br>M | GGO<br>AG05251<br>F | PAB<br>CRL1850<br>F | MMU<br>GM03443<br>F | HSA<br>PBL21<br>M | HSA<br>GM10540<br>M | PTR<br>CRL1847<br>M | GGO<br>AG05251<br>F | PAB<br>CRL1850<br>F | MMU<br>GM03443<br>F |      |
| chromosome location (in corresponding human karyotype) | 1pter    | 0.42                  | 0.76                | 0.12                | 0.06              | 0.05                |                     |                     | 0.54              | 0.80                | 0.73                | 0.33                | 0.03                |                     |                     |                   | 0.60                | 0.41                | 0.51                | 0.25                |                     | 0.23 |
|                                                        | 1p12?    |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     | 0.21                |                     |                     |      |
|                                                        | 1qh      |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 1q41     |                       |                     |                     |                   |                     |                     |                     | 0.62              | 0.94                | 0.50                | 0.18                | 1.00                |                     |                     |                   | 1.00                | 0.70                | 0.56                | 1.00                |                     |      |
|                                                        | 1qter    |                       |                     |                     |                   |                     |                     |                     | 0.68              | 0.77                | 0.69                | 0.56                | 1.00                | 0.63                |                     |                   | 0.66                | 0.47                | 0.65                | 1.00                |                     |      |
|                                                        | 2pter    |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     | 0.46                |                     |      |
|                                                        | 2pfus    |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     | 0.57                |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 2qfus    | 0.67                  | 0.75                |                     |                   |                     |                     |                     |                   |                     |                     | 0.46                |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 2qter    |                       |                     |                     |                   |                     |                     |                     | 0.45              | 0.59                | 0.56                | 0.18                |                     | 0.08                |                     |                   |                     |                     |                     | 0.36                |                     |      |
|                                                        | 3pter    |                       |                     | 0.12                |                   | 0.60                |                     |                     |                   |                     |                     | 0.94                | 0.05                |                     |                     |                   |                     |                     | 0.03                | 0.58                |                     |      |
|                                                        | 3p11.2   |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 3qter    | 0.70                  | 0.92                | 0.35                | 0.34              |                     |                     |                     |                   | 0.65                | 0.77                | 0.66                |                     |                     | 0.17                |                   |                     | 0.57                | 0.53                | 0.09                | 0.38                | 0.79 |
|                                                        | 4pter    |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     | 0.33                |                     |      |
|                                                        | 4pcen    |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     | 1.00                |      |
|                                                        | 4qcen    |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     | 0.35                |      |
|                                                        | 4q13     |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 4q24-26  |                       |                     |                     |                   |                     |                     |                     |                   | 0.75                | 0.98                | 0.64                |                     |                     |                     |                   |                     | 1.00                | 0.80                |                     | 0.48                |      |
|                                                        | 4q24-28  |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 4q32-34  |                       |                     |                     |                   |                     |                     |                     |                   | 0.22                | 0.23                | 0.30                | 0.37                |                     | 1.00                |                   |                     |                     |                     | 0.45                | 0.44                |      |
|                                                        | 4qter    |                       |                     | 0.36                | 0.31              | 0.07                |                     |                     |                   |                     |                     |                     | 0.89                | 0.20                |                     |                   | 0.05                | 0.03                | 0.78                | 0.11                |                     |      |
|                                                        | 5pter    |                       |                     | 0.34                | 0.60              |                     |                     |                     |                   |                     |                     |                     | 0.37                |                     |                     |                   |                     |                     | 0.14                | 0.15                |                     |      |
|                                                        | 5qter    |                       |                     |                     |                   |                     |                     |                     |                   | 0.46                | 0.69                | 0.59                |                     | 0.47                |                     |                   |                     | 0.52                | 0.47                | 0.25                | 0.05                |      |
|                                                        | 6pter    | 0.88                  | 0.42                | 0.06                |                   | 0.90                |                     |                     |                   | 0.58                | 0.72                | 0.43                | 0.46                | 0.21                |                     |                   |                     |                     |                     | 0.26                |                     |      |
|                                                        | 6p21-22  |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   | 0.05                |                     |                     |                     |                     |      |
|                                                        | 6qter    |                       |                     | 0.68                | 0.51              |                     |                     |                     |                   | 0.37                | 0.36                | 0.51                |                     |                     |                     |                   |                     |                     |                     | 0.24                |                     |      |
|                                                        | 7pter    |                       |                     |                     |                   |                     |                     |                     |                   | 0.66                | 0.78                | 0.57                | 0.33                | 0.07                |                     |                   |                     | 0.62                | 0.54                | 0.51                | 0.32                |      |
|                                                        | 7p11-14  |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 7pericen |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     | 0.53                | 0.21                | 0.72                |                   |                     |                     | 1.00                |                     | 0.89                | 1.00 |
|                                                        | 7pcen    |                       |                     |                     |                   |                     |                     |                     |                   | 0.32                | 1.00                | 0.27                |                     |                     |                     |                   |                     | 0.97                | 1.00                |                     | 0.70                |      |
|                                                        | 7qcen    |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     | 0.50                |                     |      |
|                                                        | 7q21-22  |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     | 0.23                |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 7q32     |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   | 0.34                |                     |                     |                     |                     |      |
|                                                        | 7q32-34  |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     | 0.33                | 0.45                |                     |      |
|                                                        | 7qter    |                       |                     | 0.54                | 0.20              |                     |                     |                     |                   |                     |                     |                     | 0.12                |                     | 0.42                |                   |                     |                     | 0.40                | 0.33                | 0.77                |      |
|                                                        | 8pter    | 0.02                  |                     |                     |                   |                     |                     |                     |                   | 0.46                | 0.64                | 0.37                |                     |                     |                     |                   |                     |                     |                     | 0.21                |                     |      |
|                                                        | 8qter    |                       |                     | 0.34                | 0.29              |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     | 0.13                | 0.15                |                     |      |
|                                                        | 9pter    | 1.00                  | 1.00                | 0.05                |                   |                     |                     |                     |                   |                     |                     |                     | 0.10                |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 9p11     |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     | 0.31                |                     |      |
|                                                        | 9pericen |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 9qter    | 0.49                  |                     | 0.14                |                   |                     |                     |                     |                   | 0.51                | 0.59                | 0.69                | 0.68                |                     |                     |                   |                     | 0.71                | 0.47                |                     | 0.49                |      |
| 10pter                                                 |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     | 0.03                |                     |                     |                   |                     | 0.22                | 0.50                |                     |                     |      |
| 10p11.2                                                |          |                       |                     |                     |                   |                     |                     |                     | 0.18              | 0.64                | 0.29                |                     |                     |                     |                     |                   | 0.45                | 0.54                |                     |                     |                     |      |
| 10pericen                                              |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     | 0.61                | 0.44                |                     |                     |                   |                     | 0.48                | 0.14                |                     |                     |      |
| 10q25                                                  |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 10qter                                                 |          |                       | 0.05                |                     |                   |                     |                     |                     |                   |                     |                     | 0.14                |                     |                     |                     |                   |                     |                     | 0.53                | 0.46                |                     |      |
| 11pter                                                 | 0.39     | 0.75                  |                     |                     |                   |                     |                     |                     | 0.25              | 0.78                |                     | 0.51                |                     |                     |                     |                   | 0.36                | 0.67                | 0.44                | 0.41                |                     |      |
| 11qter                                                 |          |                       | 0.12                |                     |                   |                     |                     |                     |                   |                     |                     |                     | 0.07                |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 12pter                                                 | 0.82     | 0.78                  | 1.00                | 1.00                | 0.95              | 1.00                | 1.00                |                     |                   | 0.36                |                     | 0.56                |                     | 0.09                |                     |                   |                     |                     | 0.38                |                     |                     |      |
| 12pericen                                              |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 12q22-24                                               |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 12qter                                                 |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     | 0.31                |                     |                     |      |
| 13p                                                    |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 13pericen +sat                                         |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 13q11.2                                                |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     | 0.06                |                     |                     |      |
| 13qter                                                 |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     | 0.04                | 0.07                |                     |                     |                   |                     |                     | 0.05                |                     |                     |      |
| 14p                                                    |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 14pericen+sat                                          |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 14pericen                                              |          |                       |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |

| PROBE:<br>species of probe:                            |                  | BLK 1+2<br>HSA    |                     |                     |                   |                     |                     |                     | BLK 6,7,8<br>HSA  |                     |                     |                     |                     |                     |                     | BLK 9<br>HSA      |                     |                     |                     |                     |                     |      |
|--------------------------------------------------------|------------------|-------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------|
| species of cells:<br>cell line:<br>gender:             |                  | HSA<br>PBL21<br>M | HSA<br>GM10540<br>M | PTR<br>CRL1847<br>M | PTR<br>"PT5"<br>F | GGO<br>AG05251<br>F | PAB<br>CRL1850<br>F | MMU<br>GM03443<br>F | HSA<br>PBL21<br>M | HSA<br>GM10540<br>M | HSA<br>GM10494<br>M | PTR<br>CRL1847<br>M | GGO<br>AG05251<br>F | PAB<br>CRL1850<br>F | MMU<br>GM03443<br>F | HSA<br>PBL21<br>M | HSA<br>GM10540<br>M | PTR<br>CRL1847<br>M | GGO<br>AG05251<br>F | PAB<br>CRL1850<br>F | MMU<br>GM03443<br>F |      |
| chromosome location (in corresponding human karyotype) | 15p              |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15pericen+sat    |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15pericen        |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q11.2          |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q11-12         |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q12-13         |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q12-14         |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q21            |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q22-24         |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     | 0.40                |                     |                     |      |
|                                                        | 15q24            |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q24-25         |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q25            |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15q25-26         |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 15qter           | 0.82              | 0.73                |                     |                   |                     |                     |                     |                   |                     | 0.05                |                     | 0.32                | 0.07                | 0.05                |                   |                     |                     |                     | 0.25                |                     |      |
|                                                        | 16pter           | 0.32              | 0.51                |                     |                   |                     |                     |                     |                   | 0.03                | 0.06                |                     | 0.42                | 0.03                | 0.06                |                   |                     | 0.05                |                     | 0.58                |                     |      |
|                                                        | 16qter           | 0.09              | 0.05                |                     |                   |                     |                     |                     |                   | 0.52                | 0.84                | 0.80                | 0.22                | 0.20                |                     |                   | 0.66                | 0.53                |                     | 0.38                |                     |      |
|                                                        | 17pter           |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     | 0.37                | 0.14                |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 17pericen        |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 17qter           |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     | 0.26                | 0.02                |                     |                   |                     |                     |                     | 0.53                |                     |      |
|                                                        | 18pter           |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 18p11            |                   |                     | 0.16                |                   | 0.14                |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 18qter           |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     | 0.05                |                     |                   |                     |                     |                     | 0.25                |                     |      |
|                                                        | 19pter           | 0.54              | 0.68                |                     |                   | 0.11                |                     |                     |                   | 0.51                | 0.92                | 0.57                | 0.39                | 0.18                | 0.09                |                   | 0.91                | 0.63                | 0.23                | 0.31                |                     | 0.25 |
|                                                        | 19q interstitial |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     | 0.09                |                     |                   |                     |                     | 0.03                |                     |                     |      |
|                                                        | 19qter           |                   | 0.17                |                     |                   | 0.11                |                     |                     |                   |                     | 0.31                |                     | 0.42                |                     | 0.06                |                   | 0.22                | 0.04                | 0.05                | 0.30                |                     | 0.25 |
|                                                        | 20pter           | 0.77              | 0.68                | 0.91                | 0.89              | 1.00                |                     |                     |                   | 0.58                | 0.70                | 0.57                | 0.03                | 0.02                |                     |                   | 0.19                | 0.59                |                     |                     |                     |      |
|                                                        | 20p interstitial |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     | 0.06                |                     |                     |      |
|                                                        | 20pericen        |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 20q interstitial |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     | 0.21                |                     |      |
|                                                        | 20qter           | 0.77              | 0.92                | 0.03                |                   |                     |                     |                     |                   | 0.45                | 0.52                | 0.54                | 0.54                | 0.05                |                     |                   | 0.05                | 0.01                |                     |                     |                     |      |
|                                                        | 21p              |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 21pericen+sat    |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
|                                                        | 21pericen        |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 21q11                                                  |                  |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 21qter                                                 |                  |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     | 0.04                |                     |                     |                     |                   |                     |                     | 0.25                |                     |                     |      |
| 22p                                                    |                  |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 22pericen +sat                                         |                  |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| 22q11                                                  |                  |                   |                     |                     |                   |                     |                     |                     | 0.06              | 0.22                |                     |                     |                     |                     |                     |                   |                     | 0.06                |                     |                     |                     |      |
| 22q13                                                  |                  |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     | 0.54                |                     |                     |                     |                   |                     |                     | 0.22                |                     |                     |      |
| Y pericen                                              |                  |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| Yq11                                                   | 0.28             | 0.37              |                     |                     |                   |                     |                     |                     | 1.00              | 0.70                | 1.00                | 0.04                |                     |                     |                     | 0.14              |                     |                     |                     |                     |                     |      |
| Xpter                                                  |                  |                   |                     |                     |                   |                     |                     |                     |                   |                     |                     |                     |                     |                     |                     |                   |                     |                     | 0.60                |                     |                     |      |
| Xqter                                                  | 0.46             | 0.17              | 0.27                | 0.05                |                   |                     |                     |                     |                   |                     |                     | 1.00                |                     |                     |                     |                   |                     |                     |                     |                     |                     |      |
| # metaphase cells                                      | 9                | 10                | 11                  | 9                   | 10                | 10                  | 10                  | 10                  | 10                | 10                  | 10                  | 10                  | 7                   | 9                   | no signals          | 10                | 10                  | 8                   | 10                  | 10                  | 7                   |      |



[illegible]



[illegible]

|                                                        |                | Supplementary Table 2 (continued) |                     |                          |                          |                     |                     |                     |                     |
|--------------------------------------------------------|----------------|-----------------------------------|---------------------|--------------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|
| PROBE:<br>species of probe:                            |                | CH250-15d24<br>MMU                |                     | CH250-265f14<br>MMU ● II | CH250-246c20<br>MMU ● VI |                     |                     |                     |                     |
| species of cells:<br>cell line:<br>gender:             |                | HSA<br>GM10540<br>M               | MMU<br>GM03443<br>F | HSA<br>GM10494<br>M      | HSA<br>GM08729<br>M      | PTR<br>CRL1847<br>M | GGO<br>"Machi"<br>F | PAB<br>CRL1850<br>F | MMU<br>GM03443<br>F |
| chromosome location (in corresponding human karyotype) | 1pter          |                                   |                     | 0.37                     |                          |                     |                     |                     |                     |
|                                                        | 1p12?          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 1qh            |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 1q41           |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 1qter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 2pter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 2pfus          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 2qfus          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 2qter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 3pter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 3p11.2         |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 3qter          | 0.47                              |                     | 0.35                     |                          |                     |                     |                     |                     |
|                                                        | 4pter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 4pcen          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 4qcen          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 4q13           |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 4q24-26        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 4q24-28        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 4q32-34        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 4qter          |                                   |                     |                          |                          | 1.00                | 1.00                |                     |                     |
|                                                        | 5pter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 5qter          |                                   |                     | 0.30                     |                          |                     |                     |                     |                     |
|                                                        | 6pter          |                                   |                     | 0.14                     |                          |                     |                     |                     |                     |
|                                                        | 6p21-22        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 6qter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 7pter          |                                   |                     | 0.09                     |                          |                     |                     |                     |                     |
|                                                        | 7p11-14        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 7pericen       |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 7pcen          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 7qcen          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 7q21-22        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 7q32           |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 7q32-34        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 7qter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 8pter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 8qter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 9pter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 9p11           |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 9pericen       |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 9qter          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 10pter         |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 10p11.2        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 10pericen      |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 10q25          |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 10qter         |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 11pter         |                                   |                     | 0.35                     |                          |                     |                     |                     |                     |
|                                                        | 11qter         |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 12pter         | 0.19                              |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 12pericen      |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 12q22-24       |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 12qter         |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 13p            |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 13pericen +sat |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 13q11.2        |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 13qter         |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 14p            |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 14pericen+sat  |                                   |                     |                          |                          |                     |                     |                     |                     |
|                                                        | 14pericen      |                                   | 1.00                |                          | 1.00                     | 0.54                |                     | 0.47                | 1.00                |
|                                                        | 14qter         |                                   |                     |                          |                          |                     |                     |                     |                     |

| PROBE:                                                 |                   | CH250-15d24                        |         | CH250-265f14 | CH250-246c20                              |         |         |         |         |
|--------------------------------------------------------|-------------------|------------------------------------|---------|--------------|-------------------------------------------|---------|---------|---------|---------|
| species of probe:                                      |                   | MMU                                |         | MMU          | MMU                                       |         |         |         |         |
| species of cells:                                      |                   | HSA                                | MMU     | HSA          | HSA                                       | PTR     | GGO     | PAB     | MMU     |
| cell line:                                             |                   | GM10540                            | GM03443 | GM10494      | GM08729                                   | CRL1847 | "Machi" | CRL1850 | GM03443 |
| gender:                                                |                   | M                                  | F       | M            | M                                         | M       | F       | F       | F       |
| chromosome location (in corresponding human karyotype) | 15p               |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15pericen+sat     |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15pericen         |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q11.2           |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q11-12          |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q12-13          |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q12-14          |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q21             |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q22-24          |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q24             |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q24-25          |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q25             |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15q25-26          |                                    |         |              |                                           |         |         |         |         |
|                                                        | 15qter            | 1.00                               | 1.00    | 1.00         |                                           |         | 0.60    | 1.00    | 1.00    |
|                                                        | 16pter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 16qter            |                                    |         | 0.23         |                                           |         |         |         |         |
|                                                        | 17pter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 17pericen         |                                    |         |              |                                           |         |         |         |         |
|                                                        | 17qter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 18pter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 18p11             |                                    |         |              |                                           |         |         |         |         |
|                                                        | 18qter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 19pter            |                                    |         | 0.44         |                                           |         |         |         |         |
|                                                        | 19q interstitial  |                                    |         |              |                                           |         |         |         |         |
|                                                        | 19qter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 20pter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 20p interstitial  |                                    |         |              |                                           |         |         |         |         |
|                                                        | 20pericen         |                                    |         |              |                                           |         |         |         |         |
|                                                        | 20q interstitial  |                                    |         |              |                                           |         |         |         |         |
|                                                        | 20qter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 21p               |                                    |         |              |                                           |         |         |         |         |
|                                                        | 21pericen+sat     |                                    |         |              |                                           |         |         |         |         |
|                                                        | 21pericen         |                                    |         |              |                                           |         |         |         |         |
|                                                        | 21q11             |                                    |         |              |                                           |         |         |         |         |
|                                                        | 21qter            |                                    |         |              |                                           |         |         |         |         |
|                                                        | 22p               |                                    |         |              |                                           |         |         |         |         |
|                                                        | 22pericen +sat    |                                    |         |              |                                           |         |         |         |         |
|                                                        | 22q11             |                                    |         |              |                                           |         |         |         |         |
|                                                        | 22q13             |                                    |         |              |                                           |         |         |         |         |
|                                                        | Y pericen         |                                    | 0.26    |              |                                           |         |         |         |         |
|                                                        | Yq11              |                                    |         |              |                                           |         |         |         |         |
|                                                        | Xpter             |                                    |         |              |                                           |         |         |         |         |
|                                                        | Xqter             |                                    |         |              |                                           |         |         |         |         |
|                                                        | # metaphase cells | 5                                  | 6       | 9            | 11                                        | 11      | 9       | 11      | 10      |
|                                                        |                   | also 1qh,<br>9qh,<br>16qh,<br>15pc |         |              | also 1qh,9qh1<br>6qh,<br>20pc,<br>22c dim |         |         |         |         |