

Additional file 5: LOH result for ER+ and ER- BRCA1-associated breast cancers analyzed.

| Patient | Mutation designation | Type of mutation | Age | ER status | m% | NM_score | LOH result | BRCA1 promoter methylation |
|---------|----------------------|--------------------|-----|-----------|------|----------|------------|----------------------------|
| 1 | 3604delA | deletion | 40 | Neg | 74.7 | | LOH wt | |
| 2 | 1137delAG | deletion | 35 | Neg | 82.9 | | LOH wt | |
| 3 | 1137delG | deletion | 36 | Neg | 19.3 | | LOH mut | Neg |
| 4 | 1294del40 | deletion | 41 | Neg | 89.3 | | LOH wt | Neg |
| 5 | 1294del40 | deletion | 44 | Pos | 91.9 | | LOH wt | |
| 6 | 1294del40 | deletion | 52 | Pos | 97 | | LOH wt | |
| 7 | 1294del40 | deletion | 32 | Pos | 98.2 | | LOH wt | |
| 8 | 185insA | insertion | 40 | Pos | 39.5 | | LOH mut | |
| 9 | 187delAG | deletion | 56 | Neg | 21.7 | | LOH mut | Neg |
| 10 | 187delAG | deletion | 31 | Neg | 40.1 | | no LOH | Neg |
| 11 | 187delAG | deletion | 28 | Neg | 62.7 | | LOH wt | |
| 12 | 187delAG | deletion | 44 | Neg | 65.1 | | LOH wt | Neg |
| 13 | 187delAG | deletion | 39 | Neg | 67.4 | | LOH wt | |
| 14 | 187delAG | deletion | 73 | Neg | 84.5 | | LOH wt | |
| 15 | 187delAG | deletion | 44 | Neg | 91 | | LOH wt | Neg |
| 16 | 187delAG | deletion | 53 | Neg | 97.2 | | LOH wt | Neg |
| 17 | 187delAG | deletion | 54 | Neg | 97.9 | | LOH wt | |
| 18 | 187delAG | deletion | 41 | Neg | 98.5 | | LOH wt | |
| 19 | 187delAG | deletion | 55 | Neg | 99.2 | | LOH wt | |
| 20 | 187delAG | deletion | 72 | Pos | 44 | | no LOH | |
| 21 | 187delAG | deletion | 47 | Pos | 67.3 | | LOH wt | |
| 22 | 187delAG | deletion | 43 | Pos | 82.3 | | LOH wt | Neg |
| 23 | 187delAG | deletion | 50 | Pos | 86.7 | | LOH wt | |
| 24 | 187delAG | deletion | 42 | Pos | 88.4 | | LOH wt | |
| 25 | 187delAG | deletion | 52 | Pos | 88.6 | | LOH wt | |
| 26 | 187delAG | deletion | 34 | Pos | 89.4 | | LOH wt | Neg |
| 27 | 187delAG | deletion | 56 | Pos | 89.8 | | LOH wt | |
| 28 | 187delAG | deletion | 29 | Pos | 93.5 | | LOH wt | |
| 29 | 187delAG | deletion | 45 | Pos | 93.8 | | LOH wt | Neg |
| 30 | 187delAG | deletion | 55 | Pos | 93.9 | | LOH wt | |
| 31 | 187delAG | deletion | 51 | Pos | 94.9 | | LOH wt | |
| 32 | 187delAG | deletion | 68 | Pos | 95.2 | | LOH wt | |
| 33 | 187delAG | deletion | 39 | Pos | 96.1 | | LOH wt | Neg |
| 34 | 187delAG | deletion | 43 | Pos | 96.1 | | LOH wt | |
| 35 | 187delAG | deletion | 51 | Pos | 98.5 | | LOH wt | |
| 36 | 231delAA | deletion | 29 | Neg | 98.3 | | LOH wt | |
| 37 | 2800delAA | deletion | 44 | Neg | 97.4 | | LOH wt | |
| 38 | 2953delGTAINS | insertion/deletion | 45 | Pos | 83 | | LOH wt | Neg |
| 39 | 3148delCT | deletion | 35 | Neg | 99.2 | | LOH wt | |
| 40 | 3450del4 | deletion | 48 | Pos | 89.3 | | LOH wt | |
| 41 | 3668delAGINS | insertion/deletion | 39 | Pos | 72.3 | | LOH wt | Neg |
| 42 | 3746insA | insertion | 46 | Neg | 91 | | LOH wt | |
| 43 | 3790ins4 | insertion | 49 | Pos | 5.4 | | LOH mut | Neg |
| 44 | 4154delA | deletion | 63 | Pos | 97 | | LOH wt | |
| 45 | 5385insC | insertion | 58 | Neg | 3 | | LOH mut | |
| 46 | 5385insC | insertion | 61 | Neg | 62.7 | | LOH wt | |
| 47 | 5385insC | insertion | 45 | Neg | 77.8 | | LOH wt | |
| 48 | 5385insC | insertion | 50 | Neg | 80 | | LOH wt | Neg |
| 49 | 5385insC | insertion | 44 | Neg | 80.1 | | LOH wt | |
| 50 | 5385insC | insertion | 32 | Neg | 85.5 | | LOH wt | Neg |
| 51 | 5385insC | insertion | 53 | Neg | 90.4 | | LOH wt | |
| 52 | 5385insC | insertion | 42 | Neg | 90.9 | | LOH wt | Neg |
| 53 | 5385insC | insertion | 32 | Neg | 91 | | LOH wt | |
| 54 | 5385insC | insertion | 45 | Pos | 27.1 | | LOH mut | Neg |
| 55 | 5385insC | insertion | 64 | Pos | 45.3 | | no LOH | Neg |
| 56 | 5385insC | insertion | 39 | Pos | 60.7 | | no LOH | Neg |
| 57 | 5385insC | insertion | 51 | Pos | 82.3 | | LOH wt | |
| 58 | 5385insC | insertion | 34 | Pos | 83.9 | | LOH wt | Neg |
| 59 | 5385insC | insertion | 46 | Pos | 88.5 | | LOH wt | |
| 60 | 5385insC | insertion | 37 | Pos | 89.7 | | LOH wt | |
| 61 | 5385insC | insertion | 46 | Pos | 90 | | LOH wt | |
| 62 | 5454delC | deletion | 43 | Pos | 88.7 | | LOH wt | Neg |
| 63 | 5589del8 | deletion | 37 | Neg | 80.7 | | LOH wt | |
| 64 | A1708E | missense | 66 | Neg | | 0.19 | LOH wt | |
| 65 | C61G | missense | 37 | Neg | | 0.31 | LOH wt | Neg |
| 66 | E908X | nonsense | 41 | Pos | | 0.11 | LOH wt | |
| 67 | IVS4-1G>T | splicing | 33 | Pos | | 0.96 | no LOH | Neg |
| 68 | IVS4-1G>T | splicing | 59 | Pos | | 3.05 | LOH mut | Pos |
| 69 | IVS4-1G>T | splicing | 32 | Neg | | 0.23 | LOH wt | Neg |
| 70 | Q1323X | nonsense | 31 | Neg | | 0.05 | LOH wt | Neg |
| 71 | Q1458X | nonsense | 39 | Neg | | 0.27 | LOH wt | |
| 72 | Q1458X | nonsense | 52 | Pos | | 0.32 | LOH wt | |
| 73 | R1495M | missense | 42 | Neg | | 0.48 | LOH wt | |
| 74 | R1495M | missense | 51 | Pos | | 0.1 | LOH wt | Neg |
| 75 | S713X | nonsense | 49 | Pos | | 0.02 | LOH wt | |
| 76 | W321X | nonsense | 47 | Pos | | 0.08 | LOH wt | |
| 77 | Y1463X | nonsense | 46 | Pos | | 0.13 | LOH wt | |