

|                      |     |                                                             |     |
|----------------------|-----|-------------------------------------------------------------|-----|
| <b>RAD51</b>         | 1   | MAMQMQLLEANADTSVEEESFGPQPISRLEQCGINANDVKKLEEAGFHTVEA        | 50  |
|                      |     |                                                             |     |
| <b>Novel variant</b> | 1   | MAMQMQLLEANADTSVEEESFGPQPISRLEQCGINANDVKKLEEAGFHTVEA        | 50  |
| <b>RAD51</b>         | 51  | VAYAPKKEL I N I KGISEAKADK I LAEAAKLVPMGFTTATEFHQRRSE I I Q | 100 |
|                      |     |                                                             |     |
| <b>Novel variant</b> | 51  | VAYAPKKEL I N I KGISEAKADK I LAEAAKLVPMGFTTATEFHQRRSE I I Q | 100 |
| <b>RAD51</b>         | 101 | I TTGSKELDKLLQGG I ETGS I TEMFGEFRTGKTQ I CHTLAVTCQLP I KRG | 150 |
|                      |     |                                                             |     |
| <b>Novel variant</b> | 101 | I TTGSKELDKLLQGG I ETGS I TEMFGEFRTGKTQ I CHTLAVTCQLP I KRG | 150 |
| <b>RAD51</b>         | 151 | GGEGKAMYIDTEGTFRPERLLAVAERYGLSGSDVLDNVAYARAFNTDHQT          | 200 |
|                      |     |                                                             |     |
| <b>Novel variant</b> | 151 | GGEGKAMYIDTEGTFRPERLLAVAERYGLSGSDVLDNVAYARAFNTDHQT          | 200 |
|                      |     | <div> <div>←</div> <div>Exon 8</div> <div>→</div> </div>    |     |
| <b>RAD51</b>         | 201 | QLLYQASAMMVESRYAL <u>LIVDSAT</u> ALYRTDYSGRGELSARQMHLARFLRM | 250 |
|                      |     |                                                             |     |
| <b>Novel variant</b> | 201 | QLLYQASAMMVESR -----                                        | 250 |
|                      |     | <div> <div>↔</div> <div>Exon 9</div> <div>↔</div> </div>    |     |
| <b>RAD51</b>         | 251 | LLRLADEFQVAVVITNQVVAQVDGAAMFAADPKKPIGGNIIAHASTRLY           | 300 |
|                      |     |                                                             |     |
| <b>Novel variant</b> | 215 | ----- LY                                                    | 216 |
|                      |     | <div> <div>→</div> <div>Exon 10</div> <div>→</div> </div>   |     |
| <b>RAD51</b>         | 301 | LRKGRGETRICKIYDSPCLPEAEAMFAINADGVGDAKD*                     | 339 |
|                      |     |                                                             |     |
| <b>Novel variant</b> | 217 | LRKGRGETRICKIYDSPCLPEAEAMFAINADGVGDAKD*                     | 254 |