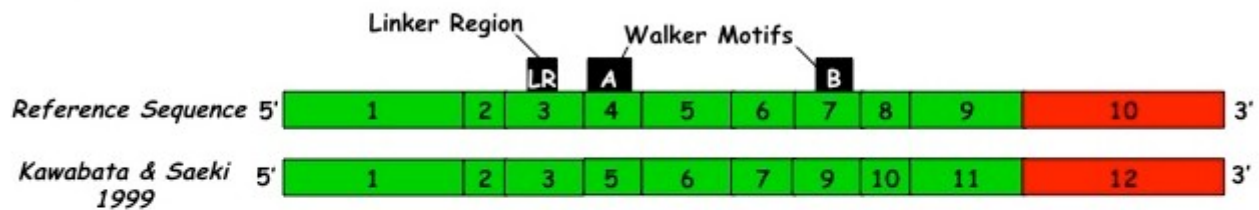


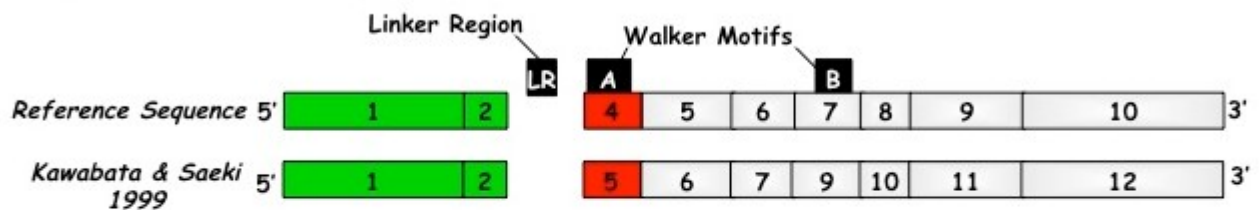
HsTRAD



Using reference sequence nomenclature:

- Full-length transcript.
- **Stop codon** is located within exon 10.
- Contains both Walker A motif (exon 4) & Walker B motif (exon 7).
- Ensembl ([ENST00000345365](https://ensembl.org/Homo_sapiens/Transcript/View?transcript=ENST00000345365))

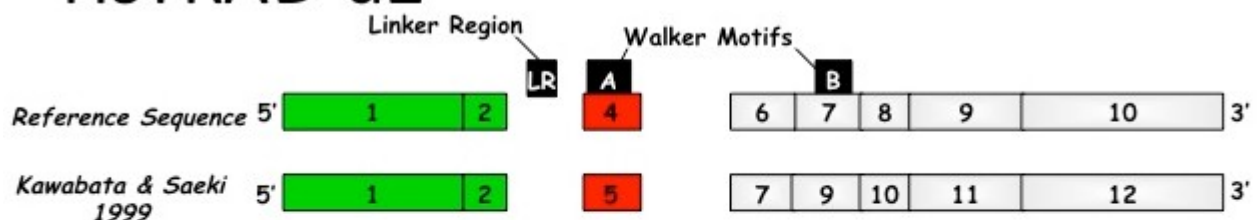
HsTRAD-d1



Using reference sequence nomenclature:

- Exon 3 is skipped.
- Frameshift introduces a **stop codon** in exon 4.
- Missing linker region needed for proper interaction with XRCC2.
- Missing Walker A motif needed for proper interaction with RAD51C.
- Does not contain Walker B motif.

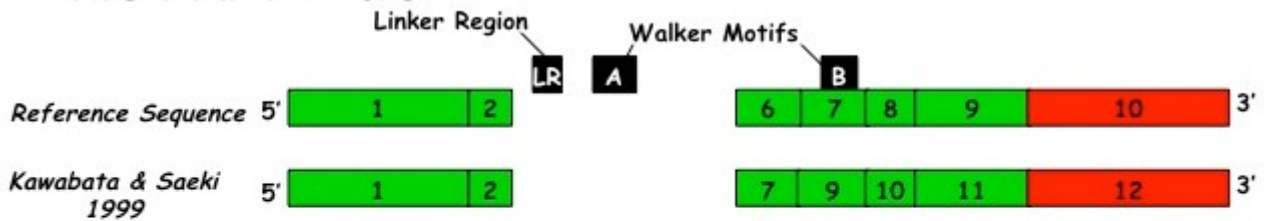
HsTRAD-d2



Using reference sequence nomenclature:

- Exons 3 & 5 are skipped.
- Frameshift introduces a **stop codon** in exon 4.
- Missing linker region needed for proper interaction with XRCC2.
- Missing Walker A motif needed for proper interaction with RAD51C.
- Does not contain Walker B motif.

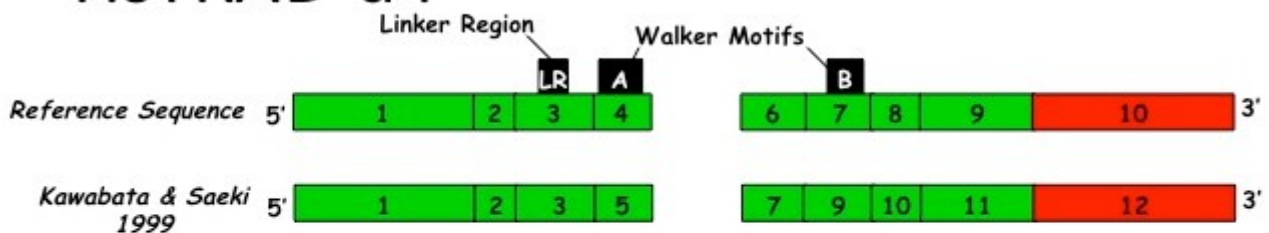
HsTRAD-d3



Using reference sequence nomenclature:

- Exons 3, 4, & 5 are skipped.
- **Stop codon** is located within exon 10.
- Missing linker region needed for proper interaction with XRCC2.
- Missing Walker A motif needed for proper interaction with RAD51C.

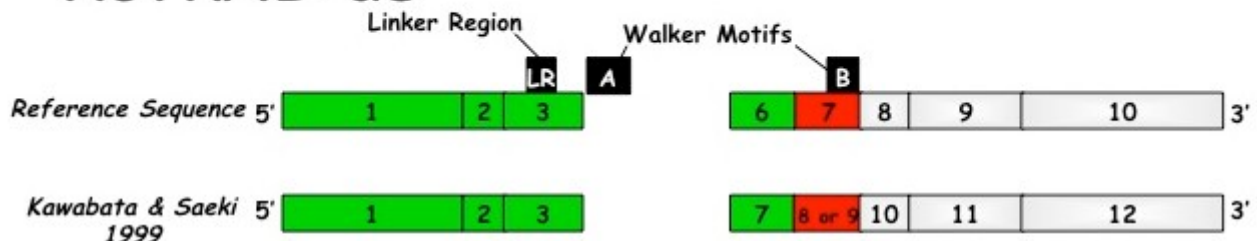
HsTRAD-d4



Using reference sequence nomenclature:

- Exon 5 is skipped.
- **Stop codon** is located within exon 10.
- Contains both Walker A motif & Walker B motif.

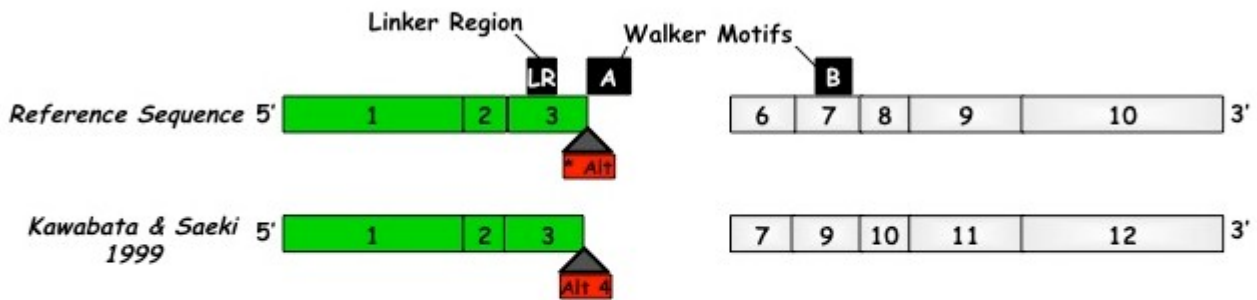
HsTRAD-d5



Using reference sequence nomenclature:

- Exons 4 & 5 are skipped.
- Frameshift introduces a **stop codon** in exon 7.
- Missing Walker A motif needed for proper interaction with RAD51C.

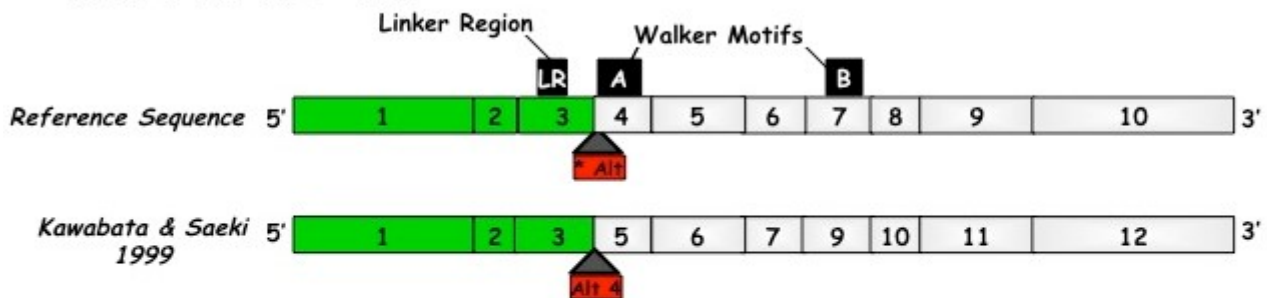
HsTRAD-d6



Using reference sequence nomenclature:

- Exons 4 & 5 are skipped.
- * **Stop codon** is located within alternative exon (Kawabata & Saeki exon 4).
- Missing Walker A motif needed for proper interaction with RAD51C.
- Does not contain Walker B motif.

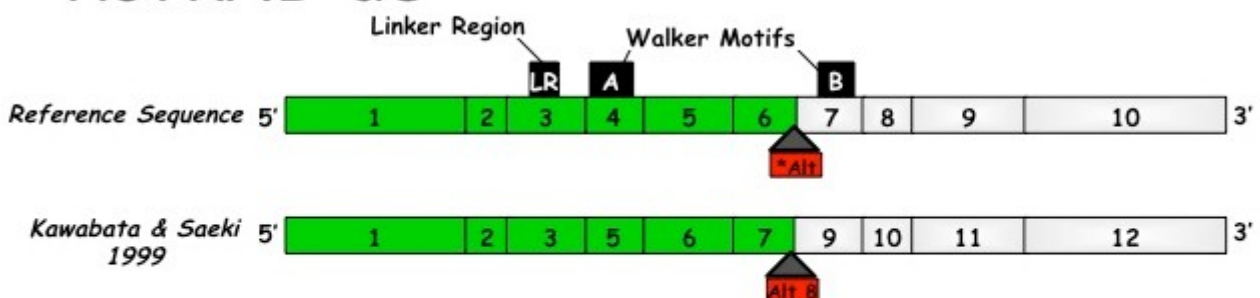
HsTRAD-d7



Using reference sequence nomenclature:

- * **Stop codon** is located within alternative exon (Kawabata & Saeki exon 4).
- Missing Walker A motif needed for proper interaction with RAD51C.
- Does not contain Walker B motif.

HsTRAD-d8



Using reference sequence nomenclature:

- * **Stop codon** is located within alternative exon (Kawabata & Saeki exon 8).
- Does not contain Walker B motif.