

**FORENSIC BIOLOGY PROTOCOLS FOR FORENSIC STR ANALYSIS**

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## QUALITY REASONS INDEX

|            |                                  |  |
|------------|----------------------------------|--|
| <b>LS</b>  | <b>Low Score</b>                 | The peak's quality score is below the range for the score set in the Allele Evaluation section of the Run Wizard's Additional Settings box.                                    |
| <b>OL</b>  | <b>Off Ladder</b>                | The peak is outside of a marker boundary range.  |
| <b>OB</b>  | <b>Out of Bin</b>                | The peak is within marker range but outside of a bin.  |
| <b>BC</b>  | <b>Bin Conflict</b>              | More than one called peak present within a bin.  |
| <b>SR</b>  | <b>Saturated (Repaired)</b>      | The peak is saturated and has been morphologically "repaired" for allele calling; only applied when the "Peak Saturation" feature is in use. <b>NOT VALIDATED FOR CASEWORK</b> |
| <b>SD</b>  | <b>Saturation Detected</b>       | Saturation is detected and may cause "pull-up" or additional peaks to appear in other dye lanes.   |
| <b>PL</b>  | <b>Beyond Ploidy</b>             | The number of identified peaks exceeds the maximum expected for the marker as per the panel settings.  |
| <b>LO</b>  | <b>Low Intensity</b>             | The peak height is below the Marker's minimum Homozygote Intensity threshold as per the panel settings.  |
| <b>HI</b>  | <b>High Intensity</b>            | Peak height approaches/exceeds the maximum intensity filter set in the <i>Run Wizard Data Process</i> box.   |
| <b>IMB</b> | <b>Heterozygote Imbalance</b>    | The peak height is below the Marker's minimum percentage of the major peak as per the panel settings.  |
| <b>IHE</b> | <b>Inconclusive Heterozygous</b> | The peak height is within the Marker's inconclusive range for heterozygosity as per the panel settings.  |
| <b>IHO</b> | <b>Inconclusive Homozygous</b>   | The peak height is within the Marker's inconclusive range for homozygosity as per the panel settings.  |

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