

# FORENSIC BIOLOGY PROTOCOLS FOR FORENSIC STR ANALYSIS

<b>GeneMarker Quality Reasons Index</b>		
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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.

Controlled versions of Department of Forensic Biology Manuals only exist in the Forensic Biology Qualtrax software. All printed versions are non-controlled copies.