

## GeneMarker 3.0.0 Changes and Risk Rank

### Revisions

Feature	Description	Risk	Algorithm Change
6-dye Capabilities	6-dye data can be analyzed. Custom chemistries or mega-PCR kits such as those by Promega, Qiagen, and Thermo Fisher.	Major	Yes
MLPA analysis	Additional highlight colors available in Panel Editor (14 pre-defined colors supported). Highlighted probes and specified colors will be reflected in the MLPA report.	Minor	No
Repeat Expansion Application	New application available for analyzing repeat expansion data. Application allows for a streamlined workflow for custom or commercial chemistries of tri- and hexa- nucleotide repeat data (HTT, ALS/C9ORF72, DMPK).	Major	Yes
User Interface Changes	1. Run Wizard analysis type "Fragment (Animal)" renamed "Fragment" 2. Removal of AFLP normalization function from 3 <sup>rd</sup> screen of Run Wizard 3. Data import screen: "Dyes" window expanded to allow for custom dye naming 4. Removed raw data intensity correction from 2 <sup>nd</sup> screen of the Run Wizard	Minor	No
Bug fix	ARMS application using settings from MSI application	Major	Yes

### Description of risk categories:

- Minor - cosmetic; such as changes to the graphic user interface and reporting options  
(no algorithm change)
- Medium - includes additional parameters or functions that may affect the final report  
(no algorithm change)
- Major - includes algorithm change(s) and is evaluated by concordance testing.

## GeneMarker 3.0.1 Changes and Risk Rank

April 2019

Minor Release

<b>Feature</b>	<b>Description</b>	<b>Risk</b>	<b>Algorithm Change</b>
Bug fix	Merge Project corrected binary table bug	Major	Yes
Bug fix	Import .mtx file to enable manual matrix correction	Major	Yes
Bug fix	Recall by open sample(s)	Major	Yes

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