Report on Identified Refactoring Opportunities for SC/ST Refactoring

Each of the identified control-fields represents an SC/ST refactoring opportunity.

Statistics on Identified Control-Fields:

1. No. of Classes (IPC): 102
2. Classes Qualified for Refactoring (QC): 14
3. %QC: 13.725%
4. No. of Fields in All Classes (IF): 694
5. Indentified Control Fields (CF): 17
6. %CF: 2.45%
7. No. of Control-Fields for SC Refactoring: 5
8. No. of Control-Fields for ST Refactoring: 12
9. No. of Control-Fields Associated with More Than 15 Conditional-Statements: 0
10. No. of Control-Fields Associated with 11 to 15 Conditional-Statements: 0
11. No. of Control-Fields Associated with 6 to 10 Conditional-Statements: 2
12. No. of Control-Fields Associated with 2 to 5 Conditional-Statements: 15

Identified Control-Fields. A control-field is denoted as <C, f>, where 'f' is a field of a class with fully-qualified name 'C'. Uses = Number of conditional-statements associated with a control-field.

Uses	Replace Type Code with Subclass (SC)
5	<graphics.ReadViz, forwardDirection>
3	<misc.AlignmentBlock, strand>
	<graphics.ReadViz.ReadMapComparator, forward>
2	<rnaseq.FineSpliceCounter.SpliceLocation, exon1>
	<misc.filter.Junction, top>

Uses	Replace Type Code with State (ST)
9	<misc.AlignmentRecord, forwardStrand>
8	<misc.filter.FilterInterfaceAdaptor, processNonPassed>
4	<rnaseq.AlignmentFilter, quiet>
3	<misc.AlignmentFilter2, quiet>
	<rnaseq.ExonCounter, intronicCGFF>
	<rnaseq.AlignmentFilter, forceSAMout>
	<misc.AlignmentFilter2, isProcessNonPassed>
	<graphics.ReadViz, inAuto>
2	<special.IntronRetentionCGFF2, debug>
	<rnaseq.TranscriptomeRecover, intronFilterMode>
	<misc.filter.FilterInterfaceSingleReadAdaptor, reverseSelection>
	<special.PromoterCGFF, fromTSS>

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