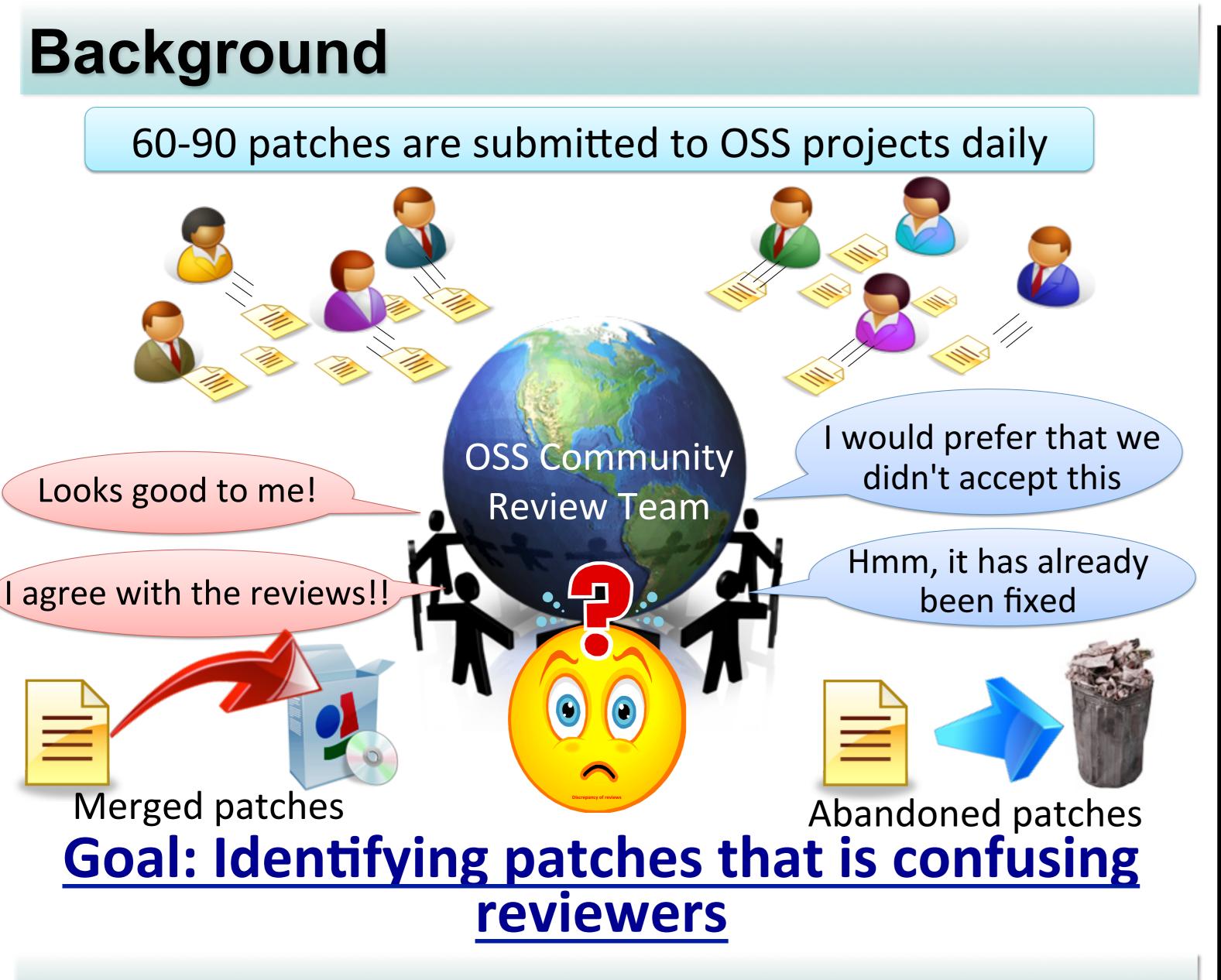


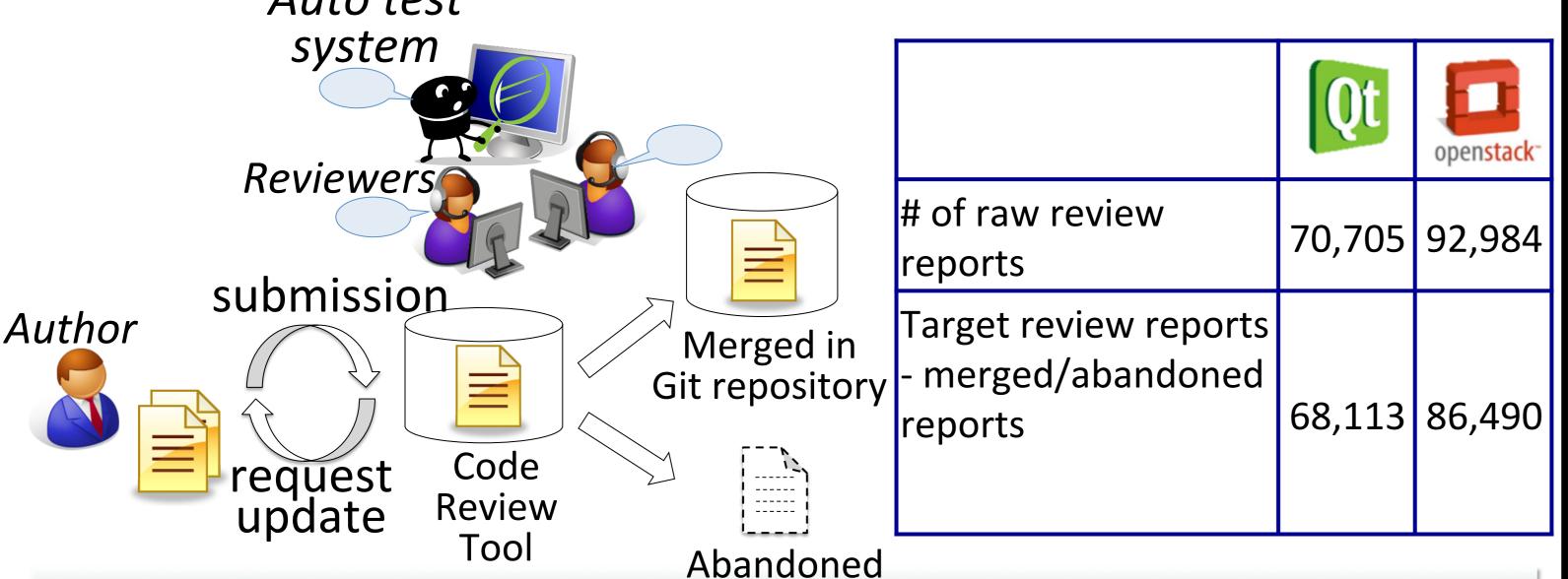
Science Series Should We Discuss About This Patches?

- Case Study of Open Source Projects -

Akinori Ihara, Ken-ichi Matsumoto (Nara Institute of Science and Technology, Japan) Shane McIntosh and Ahmed E. Hassan (Queen's University)

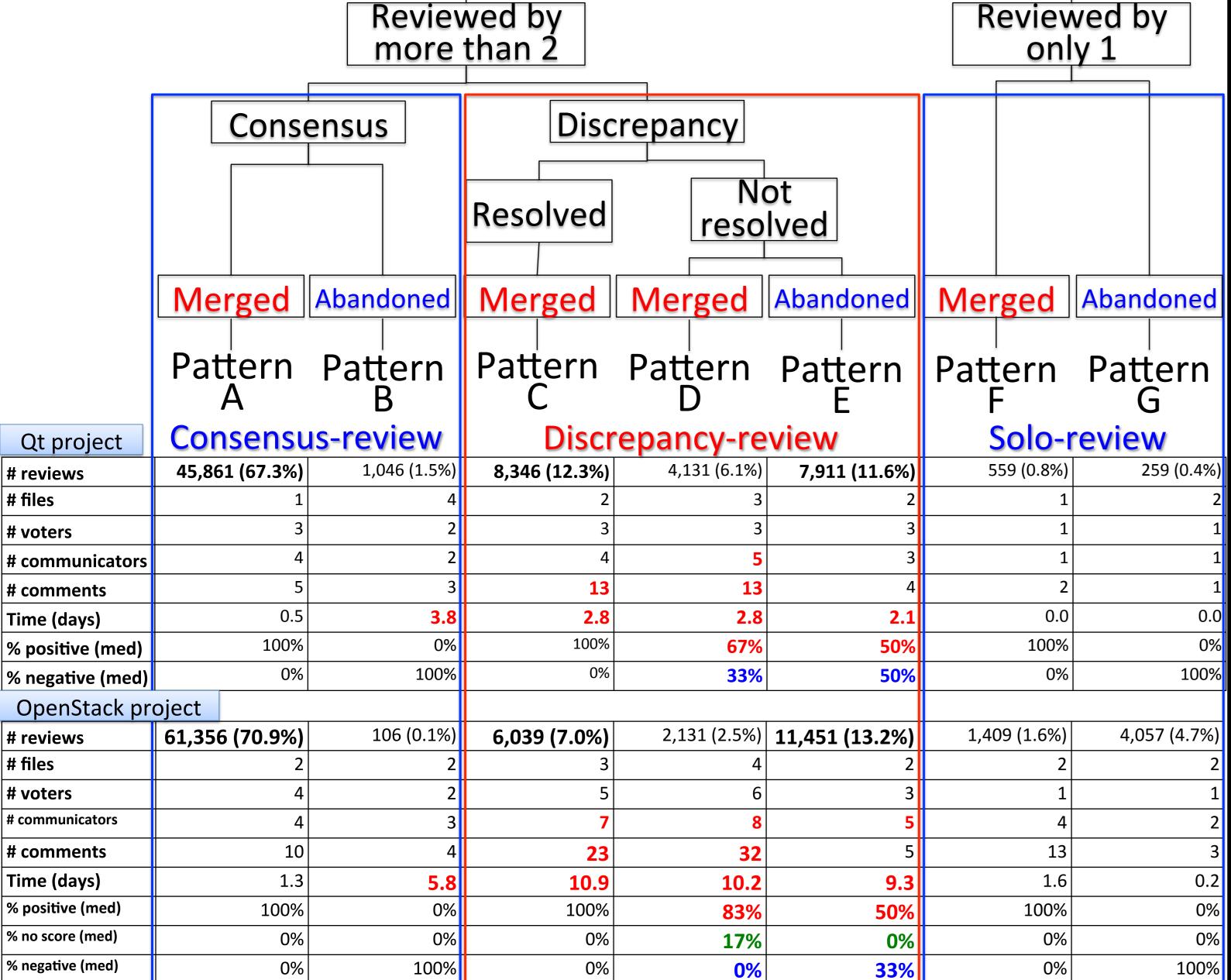


Data Setting Auto test



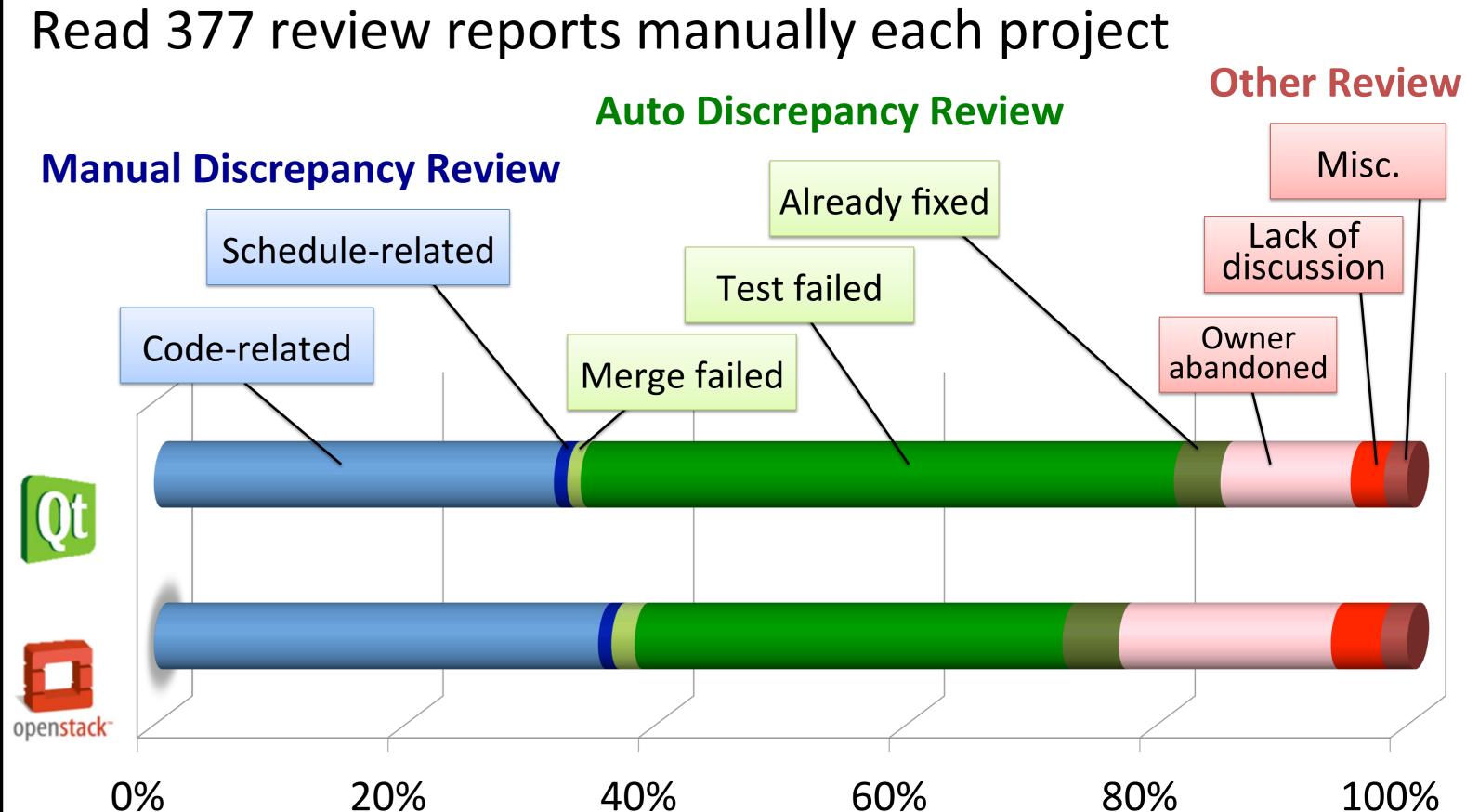
Patches

Review Agreement Pattern



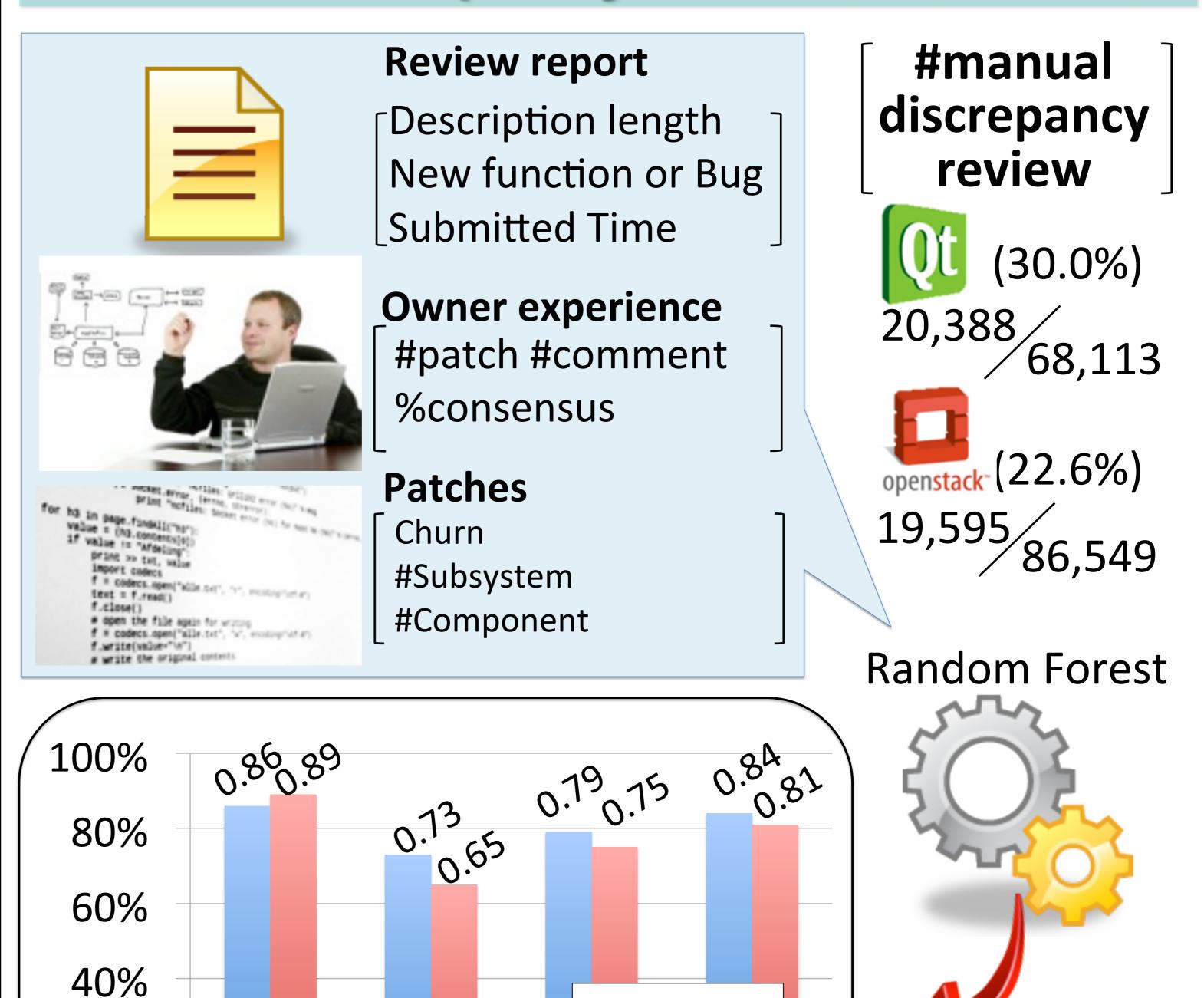
No-consensus patches are longer review time, more discussion!

Reasons of Discrepancy Review



30% rejected patches were not detected automatically

Manual Discrepancy Review Prediction



Top important factors to predict manual discrepancy reviews

F1-value

Qt

OpenStack

AUC

rank	Qt	OpenStack
1	# Comments	# Patches
2	# Patches	# Comments % Consensus reviews by Owner
3	10/ Conconcile rovious by Owner	# Added Lines # Changed lines

Owner's experience is more important!



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20%

0%

Precision

Recall