

file_name	Organic	Jspirit	DeepSeek-R1	gpt-5-mini	Llama-3.3	Qwen2.5-Coder	ORACLE	PREDICTION
AbstractSendMessageProcessor.java	1	1	0	0	1	1	1	1
BatchExecutor.java	0	1	1	1	1	1	1	1
BeanCopier.java	1	0	0	0	1	0	0	0
BytecodeInstruction.java	0	1	0	1	0	0	1	0
ClusterConnectionManager.java	1	1	0	0	1	1	0	1
com.alibaba.fastjson.parser.deserializer.JavaBeanDeserializer.java	1	0	1	0	1	1	1	1
com.google.zxing.rss.expanded.decoders.GeneralAppIdDecoder.java	1	0	1	1	1	1	1	1
ConnectionPageShellCommands.java	1	1	1	1	1	0	1	1
ConstructorConstructor.java	0	1	0	0	0	1	1	0
CronExpression.java	1	1	0	1	1	0	0	1
DefaultJedisSocketFactory.java	1	1	1	1	0	1	1	1
DictSegment.java	0	1	0	0	1	1	0	1
DirectoryBrowserSupport.java	1	1	1	0	1	1	1	1
DriverDataSource.java	0	1	1	1	1	1	1	1
DubboServiceMetadataRepository.java	0	0	1	0	1	1	1	1
EsProductServiceImpl.java	0	1	1	1	1	1	0	1
Finance.java	0	1	1	0	1	1	1	1
FlowControllerV1.java	1	1	1	1	1	1	1	1
HostAndPort.java	0	1	0	0	1	0	0	0
JavassistProxyFactory.java	1	1	1	1	1	1	1	1
MethodRoadie.java	0	1	1	0	0	1	1	1
org.cryptomator.ui.mainwindow.ResizeController.java	1	0	1	1	0	1	1	1
org.json.parser.Tokeniser.java	1	0	1	0	0	1	0	1
PacketEncoder.java	1	1	1	0	1	1	1	1
QueueTest.java	1	1	0	1	0	0	1	1
SimpleWebServer.java	1	1	0	0	0	1	0	1
SmartContentSelector.java	0	1	1	1	1	1	0	1
StpLogic.java	1	0	1	0	1	1	1	1
StringUtils.java	0	1	0	0	0	0	0	0
WriteWorkbookHolder.java	1	1	0	1	0	0	0	1

RATERS VS HUMAN ORACLE (RQ1 & RQ2)

Jspirit			
TP	TN	FP	FN
14	2	5	9

Jspirit			
Precision	Recall	F1	
0.74	0.61	0.67	

Organic			
TP	TN	FP	FN
12	5	7	6

Organic			
Precision	Recall	F1	
0.83	0.67	0.65	

DeepSeek-R1			
TP	TN	FP	FN
15	8	4	3

DeepSeek-R1			
Precision	Recall	F1	
0.79	0.83	0.81	

gpt-5-mini			
TP	TN	FP	FN
10	7	9	4

gpt-5-mini			
Precision	Recall	F1	
0.53	0.71	0.61	

Llama-3.3			
TP	TN	FP	FN
12	4	7	7

Llama-3.3			
Precision	Recall	F1	
0.83	0.63	0.63	

Qwen2.5-Coder			
TP	TN	FP	FN
16	5	3	6

Qwen2.5-Coder			
Precision	Recall	F1	
0.84	0.73	0.78	

RATERS VS PREDICTIONS

Jspirit			
TP	TN	FP	FN
19	1	6	4

Jspirit			
Precision	Recall	F1	
0.76	0.83	0.79	

Organic			
TP	TN	FP	FN
17	4	8	1

Organic			
Precision	Recall	F1	
0.68	0.94	0.79	

DeepSeek-R1			
TP	TN	FP	FN
18	5	7	0

DeepSeek-R1			
Precision	Recall	F1	
0.72	1.00	0.84	

gpt-5-mini			
TP	TN	FP	FN
13	4	12	1

gpt-5-mini			
Precision	Recall	F1	
0.52	0.93	0.67	

Llama-3.3			
TP	TN	FP	FN
17	3	8	2

Llama-3.3			
Precision	Recall	F1	
0.68	0.89	0.77	

Qwen2.5-Coder			
TP	TN	FP	FN
21	4	4	1

Qwen2.5-Coder			
Precision	Recall	F1	
0.84	0.95	0.89	

RATERS VS PREDICTIONS

TP	TN	FP	FN
17	3	8	2

Precision	Recall	F1
0.68	0.89	0.77