Table 10. Performance by error category: Flow-based slicing proves more effective for identifying security-related issues, while function-level context plays a crucial role in understanding logic errors. Performance issues are the most difficult to detect, as they often remain subtle until they become significantly problematic.

	Category	KBI↑	$\mathbf{FAR}_1 \downarrow$	$\mathbf{CPI}_1 \uparrow$	$\mathbf{FAR}_2 \downarrow$	$\mathbf{CPI}_2 \uparrow$
Left Flow						
	Overall	20.00	75.37	22.07	43.52	29.54
	Security	25.81	73.92	25.94	48.96	34.28
	Logic	8.33	75.00	12.50	0.00	15.38
	Performance	0.00	0.00	0.00	0.00	0.00
Full Flow						
	Overall	20.00	77.96	20.97	67.59	24.73
	Security	25.81	72.31	26.71	67.71	28.69
	Logic	8.33	97.22	4.17	66.67	13.33
	Performance	0.00	0.00	0.00	0.00	0.00
Original Diff						
	Overall	11.11	90.11	10.46	71.00	16.07
	Security	16.13	88.87	13.17	71.00	20.73
	Logic	0.00	0.00	0.00	0.00	0.00
	Performance	0.00	0.00	0.00	0.00	0.00
Parent Function						
	Overall	11.11	89.48	10.81	65.33	16.83
	Security	3.23	91.94	4.61	50.00	6.06
	Logic	33.33	81.39	23.89	69.17	32.03
	Performance	0.00	0.00	0.00	0.00	0.00