

Per-Type Performance: FN (Local)																
Risk Types	VANILLA	SFT	GRPO	VANILLA	SFT	GRPO	VANILLA	SFT	GRPO	VANILLA	SFT	GRPO	SFT	GRPO	Count	
	Group A		Group B		Group C		Group D		Group E							
	①	25.0 ±2.8	3.7 ±2.1	1.3 ±1.2	21.3 ±3.4	4.0 ±3.7	7.7 ±1.7	22.7 ±8.7	9.0 ±1.4	13.3 ±4.5	29.7 ±4.6	9.0 ±4.3	7.3 ±2.5	4.0 ±2.9	18.3 ±0.5	25
	②	25.0 ±5.0	11.0 ±2.2	6.0 ±2.4	25.7 ±2.9	11.3 ±5.7	18.7 ±4.5	20.7 ±1.7	17.7 ±2.5	15.0 ±0.8	23.0 ±2.8	21.0 ±3.7	12.7 ±1.7	19.3 ±2.6	15.3 ±3.8	20
	③	27.7 ±3.3	11.0 ±0.8	12.7 ±3.3	26.0 ±1.6	9.0 ±3.7	11.3 ±1.2	28.0 ±4.3	11.7 ±2.9	9.0 ±2.4	21.7 ±3.8	16.7 ±2.5	17.3 ±3.8	12.7 ±2.6	12.3 ±1.7	15
	④	21.0 ±3.7	7.7 ±4.5	5.0 ±0.8	18.7 ±0.5	7.0 ±2.8	6.7 ±3.4	19.3 ±2.5	9.3 ±5.4	8.7 ±3.9	21.7 ±1.9	8.0 ±1.4	5.3 ±1.7	4.7 ±1.7	10.7 ±3.8	10
	⑤	22.7 ±1.7	5.0 ±4.3	2.3 ±1.2	20.3 ±5.6	9.3 ±3.3	6.3 ±2.1	27.0 ±3.7	10.7 ±1.7	10.7 ±3.1	23.0 ±5.7	4.7 ±1.7	6.0 ±2.9	7.3 ±5.2	11.3 ±5.6	5
	⑥	22.3 ±1.9	6.0 ±3.6	4.7 ±3.9	27.0 ±3.7	12.3 ±3.3	7.0 ±1.6	17.0 ±3.3	8.7 ±3.3	8.3 ±3.3	17.3 ±0.5	7.7 ±2.9	7.3 ±1.2	13.0 ±9.4	13.3 ±8.3	25
	⑦	24.0 ±5.4	8.0 ±0.8	4.7 ±1.9	22.3 ±3.7	10.7 ±4.5	9.0 ±3.3	20.7 ±2.6	16.3 ±5.4	11.0 ±2.2	20.0 ±2.2	8.3 ±3.3	7.0 ±1.4	21.3 ±9.3	19.0 ±2.9	20
	⑧	24.0 ±3.7	5.3 ±3.3	5.0 ±1.6	22.0 ±2.9	4.0 ±0.8	3.7 ±3.3	23.3 ±3.1	8.3 ±1.2	10.3 ±5.0	17.7 ±3.9	4.3 ±1.7	3.7 ±3.1	12.0 ±2.9	19.7 ±6.3	15
	⑨	20.7 ±4.2	2.3 ±1.7	0.7 ±0.9	27.0 ±4.3	8.3 ±4.1	8.0 ±6.2	16.7 ±1.9	5.0 ±0.8	10.7 ±4.6	20.7 ±3.7	10.0 ±7.1	6.3 ±5.4	9.3 ±2.1	6.3 ±5.4	10