TABLE V: Summary about how often each repair tool generates correct or incorrect patches across the defect classes

Defect		total	GenProg (%)		SPR (%)		Prophet (%)		Angelix (%)		Best (%)	
			rep/tot	cor/tot	rep/tot	cor/tot	rep/tot	cor/tot	rep/tot	cor/tot	rep/tot	cor/tot
Higher	HBRN	85	44	5	68	7	64	7	58	8	80	15
	HCOM	35	54	26	54	9	46	9	31	11	77	34
	HDIM	7	43	29	43	14	43	0	29	14	57	43
	HDMS	204	66	57	62	48	44	29	34	25	87	77
	HEXP	78	31	9	60	5	56	6	51	6	77	20
	HIMS	442	35	12	38	9	34	7	29	4	57	22
	HOTH	234	36	6	58	6	50	7	41	9	69	18
Operand	DCCA	185	21	6	38	8	28	8	11	2	47	14
	DCCR	470	27	11	40	10	34	8	33	13	56	26
	DMAA	14	43	0	57	21	50	14	21	0	64	21
	DRAC	5	20	20	40	20	20	0	20	0	40	20
	DRVA	231	35	9	51	16	40	10	41	8	70	27
	DRWV	121	38	8	62	17	57	14	40	3	78	28
Operator	OAAN	33	24	6	58	15	48	9	33	6	70	21
	OAID	28	64	29	57	18	50	21	43	7	89	43
	OAIS	436	35	12	54	12	47	10	36	4	68	22
	OEDE	22	32	18	59	27	45	14	36	18	73	41
	OFFN	21	24	14	43	10	38	10	24	0	57	14
	OFPF	128	3	2	8	4	5	2	2	1	9	5
	OFPO	12	8	0	17	0	8	0	8	0	25	0
	OICD	6	50	17	50	17	33	0	50	0	67	17
	OILN	328	33	6	71	22	63	14	57	6	86	32
	OIRO	8	0	0	12	12	12	12	0	0	12	12
	OITC	13	0	0	23	0	23	0	8	0	23	0
	OLLN	18	39	6	67	0	44	0	72	22	89	22
	OMOP	9	0	0	22	11	11	11	22	11	33	22
	ORRN	311	46	16	67	19	55	14	69	38	90	54
Others	OTHERS	81	36	17	40	11	40	12	26	4	59	26
Statement	SDFN	115	72	69	65	62	54	50	24	23	95	91
	SDIB	9	67	33	100	44	89	44	56	22	100	56
	SDIF	21	81	71	52	48	48 77	48	38	19 23	90	81
	SDLA SIIF	13 18	100 39	92 28	92 61	54	56	62 17	69 33	23 11	100 72	100 33
	SIRT	18 80	39 18	28 5	8	17		2	33 5		22	
	SISA	80 43	18 56	30	8 60	5 19	5 60	16	5 26	1 5	84	8 42
	SISA	43 61	26	30 16	20	3	20	5	20	2	84 43	42 18
	SMOV	109	48	28	49	3 14	41	3 11	20 44	3	68	38
	SMVB	109	48 41	28 24	49 47	18	41	11	44	6	59	38 29
	SRIF	58	66	43	60	19	48	16	59	12	91	53
	STYP	165	38	19	48	14	41	12	24	2	58	29
Average		37	16	50	16	43	12	37	10	67	31	