

1	analysis-tools	attributes	stego-tool	keyless embeddings																			
				67 bytes ASCII text				1.53kb ASCII text				17.5kb ASCII text				16kb min. entropy ASCII				16.8kb binary data			
				success	fails	success	fails	success	fails	success	fails	success	fails	success	fails	success	fails	success	fails				
alaska2			sample set: 640 covers	embeds: 4 / 5	sample set: 640 covers	embeds: 4 / 5	sample set: 640 covers	embeds: 4 / 5	sample set: 640 covers	embeds: 4 / 5	sample set: 640 covers	embeds: 4 / 5	sample set: 640 covers	embeds: 4 / 5	sample set: 640 covers	embeds: 4 / 5	sample set: 640 covers	embeds: 4 / 5					
640 covers			max. error: 2560	skipped steghide*	max. error: 2560	skipped steghide*	max. error: 2560	skipped steghide*	max. error: 2560	skipped steghide*	max. error: 2560	skipped steghide*	max. error: 2560	skipped steghide*	max. error: 1920	skipped steghide, f5*	max. error: 1920	skipped steghide, f5*					
blind	exiftool	file size	steghide	skipped	1439	56.211%	skipped	1297	50.664%	skipped	879	34.336%	skipped	880	34.375%	skipped	636	33.125%					
	binwalk	JFIF version	jsteg	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%				
		data type	jsteg	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%				
		JFIF version	jsteg	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%				
	strings	outguess-0.15	640	100.000%	850	33.203%	476	74.375%	661	25.820%	213	8.320%	213	8.320%	213	8.320%	213	11.094%					
		file header	outguess-0.13	637	99.531%	852	33.281%	448	70.000%	689	26.914%	213	8.320%	213	8.320%	213	11.094%						
f5		640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%						
non-blind	foremost	image format integrity	jsteg	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	skipped	640	100.000%					
	imagemagick (compare, identify)	mean color of difference image	steghide	skipped	79	3.086%	skipped	40	1.563%	skipped	37	1.445%	skipped	37	1.445%	skipped	38	1.979%					
	stegoveritas, imagemagick (compare, identify)	mean color of stegoveritas-decomposition difference images	steghide	skipped	360	14.063%	skipped	140	5.469%	skipped	114	4.453%	skipped	114	4.453%	skipped	108	5.625%					
detection	stegbreak	stegbreak detection	jsteg	28	4.375%	74	2.891%	40	6.250%	71	2.773%	47	7.344%	50	1.953%	29	4.531%	44	1.719%	41	6.406%	32	1.667%
	unexpected eof warning	outguess-0.13	0	0.000%	2	0.078%	0	0.000%	2	0.078%	capacity**	2	0.078%	capacity**	18	0.703%	capacity**	3	0.156%				
		jsteg	5	0.781%	176	27.500%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%	640	100.000%					
	stegdetect	stegdetect detection	jsteg	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%				
bows2			sample set: 192 covers	embeds: 4 / 5	sample set: 192 covers	embeds: 4 / 5	sample set: 192 covers	embeds: 4 / 5	sample set: 192 covers	embeds: 4 / 5	sample set: 192 covers	embeds: 4 / 5	sample set: 192 covers	embeds: 4 / 5	sample set: 192 covers	embeds: 3 / 5							
192 covers			max. error: 768	skipped steghide*	max. error: 768	skipped steghide*	max. error: 768	skipped steghide*	max. error: 768	skipped steghide*	max. error: 768	skipped steghide*	max. error: 768	skipped steghide*	max. error: 576	skipped steghide, f5*							
blind	exiftool	file size	steghide	skipped	192	100.000%	skipped	192	100.000%	skipped	192	100.000%	skipped	192	100.000%	skipped	192	100.000%					
	binwalk	JFIF version	jsteg	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%						
		data type	jsteg	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%						
		JFIF version	jsteg	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%						
	strings	outguess-0.15	192	100.000%	192	100.000%	136	70.833%	131	17.057%	capacity**	192	100.000%	capacity**	192	100.000%	capacity**	192	100.000%				
		file header	outguess-0.13	192	100.000%	192	100.000%	131	68.229%	136	17.708%	capacity**	192	100.000%	capacity**	192	100.000%	capacity**	192	100.000%			
f5		192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	skipped	192	100.000%					
non-blind	foremost	image format integrity	jsteg	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%						
	imagemagick (compare, identify)	mean color of difference image	steghide	skipped	2	0.260%	skipped	1	0.130%	skipped	1	0.130%	skipped	1	0.130%	skipped	1	0.174%					
	stegoveritas, imagemagick (compare, identify)	mean color of stegoveritas-decomposition difference images	steghide	skipped	41	5.339%	skipped	16	2.083%	skipped	16	2.083%	skipped	16	2.083%	skipped	10	1.736%					
detection	stegbreak	stegbreak detection	jsteg	3	1.563%	18	2.344%	5	2.604%	16	2.083%	5	2.604%	10	1.302%	4	2.083%	11	1.432%	7	3.646%	9	1.563%
	unexpected eof warning	outguess-0.13	0	0.000%	11	1.432%	0	0.000%	11	1.432%	capacity**	11	1.432%	capacity**	14	1.823%	capacity**	11	1.910%				
		jsteg	0	0.000%	39	20.313%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%	192	100.000%					
	stegdetect	stegdetect detection	jsteg	0	0.000%	2	0.260%	24	12.500%	1	0.130%	capacity**	3	0.391%	3	0.391%	17	2.214%	capacity**	4	0.694%		
smartphone			sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5							
192 covers			max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*							
blind	exiftool	file size	steghide	skipped	99	17.188%	skipped	94	16.319%	skipped	80	13.899%	skipped	80	13.899%	skipped	80	13.899%					
	binwalk	JFIF version	jsteg	189	98.438%	178	30.903%	189	98.438%	178	30.903%	189	98.438%	178	30.903%	189	98.438%	178	30.903%				
		data type	jsteg	184	95.833%	2	0.347%	184	95.833%	2	0.347%	183	95.313%	2	0.347%	184	95.833%	2	0.347%				
		JFIF version	jsteg	184	95.833%	2	0.347%	184	95.833%	2	0.347%	183	95.313%	2	0.347%	184	95.833%	2	0.347%				
	strings	outguess-0.15	189	98.438%	2	0.347%	189	98.438%	2	0.347%	189	98.438%	2	0.347%	189	98.438%	2	0.347%					
		file header	outguess-0.13	177	92.188%	204	35.417%	103	53.646%	202	35.069%	95	49.479%	189	32.813%	95	49.479%	192	33.333%				
f5		190	98.958%	191	33.160%	189	98.438%	116	20.139%	178	92.708%	106	18.403%	181	94.271%	106	18.403%						
non-blind	foremost	image format integrity	jsteg	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped					
	imagemagick (compare, identify)	mean color of difference image	steghide	skipped	32	5.556%	skipped	30	5.208%	skipped	13	2.257%	skipped	13	2.257%	skipped	14	2.431%					
	stegoveritas, imagemagick (compare, identify)	mean color of stegoveritas-decomposition difference images	steghide	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped					
detection	stegbreak	stegbreak detection	jsteg	15	7.813%	15	2.604%	17	8.854%	14	2.431%	18	9.375%	13	2.257%	14	7.292%	14	2.431%	14	7.292%	13	2.257%
	unexpected eof warning	outguess-0.13	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%	16	2.778%	0	0.000%	1	0.174%			
		jsteg	0	0.000%	1	0.521%	0	0.000%	13	6.771%	2	0.347%	12	6.250%	2	0.347%	13	6.771%	2	0.347%			
	stegdetect	stegdetect detection	jsteg	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%	0	0.000%				
smartphone			sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5	sample set: 192 covers	embeds: 3 / 5							
192 covers			max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*	max. error: 576	skipped steghide, f5*							
blind	exiftool	file size	steghide	skipped	99	17.188%	skipped	94	16.319%	skipped	80	13.899%	skipped	80	13.899%	skipped	80	13.899%					
	binwalk	JFIF version	jsteg	189	98.438%	178	30.903%	189	98.438%	178	30.903%	189	98.438%	178	30.903%	189	98.438%	178	30.903%				
		data type	jsteg	184	95.833%	2	0.347%	184	95.833%	2	0.347%	183	95.313%	2	0.347%	184	95.833%	2	0.347%				
		JFIF version	jsteg	184	95.833%	2	0.347%	184	95.833%	2	0.347%	183	95.313%	2	0.347%	184	95.833%	2	0.347%				
	strings	outguess-0.15	189	98.438%	2	0.347%	189	98.438%	2	0.347%	189	98.438%	2	0.347%	189	98.438%	2	0.347%					
		file header	outguess-0.13	177	92.188%	204	35.417%	103	53.646%	202	35.069%	95	49.479%	189	32.813%	95	49.479%	192	33.333%				
f5		190	98.958%	191	33.160%	189	98.438%	116	20.139%	178	92.708%	106	18.403%	181	94.271%	106	18.403%						
non-blind	foremost	image format integrity	jsteg	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped					
	imagemagick (compare, identify)	mean color of difference image	steghide	skipped	32	5.556%	skipped	30	5.208%	skipped	13	2.257%	skipped	13	2.257%	skipped	14	2.431%					
	stegoveritas, imagemagick (compare, identify)	mean color of stegoveritas-decomposition difference images	steghide	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped	skipped					
detection	stegbreak	stegbreak detection	jsteg	15	7.813%	15	2.604%	17															

2	analysis-tools		attributes	stego-tool	4 bytes key length																				
					67 bytes ASCII text				1.53kb ASCII text				17.5kb ASCII text				16kb min. entropy ASCII				16.8kb binary data				
					success		fails		success		fails		success		fails		success		fails		success		fails		
					sample set:	640 covers	embeds:	4 / 5	sample set:	640 covers	embeds:	4 / 5	sample set:	640 covers	embeds:	4 / 5	sample set:	640 covers	embeds:	4 / 5	sample set:	640 covers	embeds:	3 / 5	
					max. error:	2560	skipped jsteg*		max. error:	2560	skipped jsteg*		max. error:	2560	skipped jsteg*		max. error:	2560	skipped jsteg*		max. error:	1920	skipped jsteg, f5*		
blind		exiftool	file size	steghide	638	99.688%	1221	47.695%	638	99.688%	1082	42.266%	637	99.531%	669	26.133%	638	99.688%	667	26.055%	532	83.125%	426	22.188%	
			JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
		binwalk	data type	jsteg	skipped				skipped				skipped				skipped				skipped				
			JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
		strings	file header		jsteg	skipped				skipped				skipped				skipped				skipped			
				outguess-0.15	639	99.844%	1063	41.523%	476	74.375%	873	34.102%	capacity**		423	16.523%	capacity**		426	16.641%	capacity**		331	17.240%	
outguess-0.13	637			99.531%	1065	41.602%	448	70.000%	901	35.195%	capacity**		423	16.523%	capacity**		426	16.641%	capacity**		331	17.240%			
non-blind		foremost	image format integrity	f5	640	100.000%			640	100.000%			640	100.000%			640	100.000%			skipped				
			jsteg	skipped				skipped				skipped				skipped				skipped					
		imagemagick (compare, identify)	mean color of difference image	steghide	640	100.000%	63	2.461%	639	99.844%	36	1.406%	631	98.594%	35	1.367%	640	100.000%	35	1.367%	117	18.281%	35	1.823%	
		stegoveritas, imagemagick (compare, identify)	mean color of stegoveritas-decomposition difference images	steghide	640	100.000%	281	10.977%	639	99.844%	121	4.727%	637	99.531%	114	4.453%	640	100.000%	114	4.453%	394	61.563%	108	5.625%	
		detection	stegbreak	stegbreak detection	jsteg	skipped		88	3.438%	skipped		82	3.203%	skipped		65	2.539%	skipped		60	2.344%	skipped		47	2.448%
				unexpected eof warning	0	0.000%	4	0.156%	0	0.000%	4	0.156%	skipped	capacity**	4	0.156%	skipped	capacity**	5	0.195%	skipped	capacity**	3	0.156%	
	stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped					
			outguess-0.13	10	1.563%	16	0.625%	106	16.563%	13	0.508%	skipped	capacity**	10	0.391%	skipped	capacity**	9	0.352%	skipped	capacity**	7	0.365%		
bowski2					sample set:	192 covers	embeds:	4 / 5	sample set:	192 covers	embeds:	4 / 5	sample set:	192 covers	embeds:	4 / 5	sample set:	192 covers	embeds:	4 / 5	sample set:	192 covers	embeds:	3 / 5	
					max. error:	768	skipped jsteg*		max. error:	768	skipped jsteg*		max. error:	768	skipped jsteg*		max. error:	768	skipped jsteg*		max. error:	576	skipped jsteg, f5*		
blind		exiftool	file size	steghide	192	100.000%			192	100.000%			192	100.000%			192	100.000%			192	100.000%			
			JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
		binwalk	data type	jsteg	skipped				skipped				skipped				skipped				skipped				
			JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
		strings	file header		jsteg	skipped				skipped				skipped				skipped				skipped			
				outguess-0.15	192	100.000%	192	25.000%	136	70.833%	131	17.057%	capacity**			capacity**	192	100.000%		capacity**	192	100.000%		capacity**	
outguess-0.13	192			100.000%	192	25.000%	131	68.229%	136	17.708%	capacity**			capacity**	192	100.000%		capacity**	192	100.000%		capacity**			
non-blind		foremost	image format integrity	f5	192	100.000%			192	100.000%			192	100.000%			192	100.000%			skipped				
			jsteg	skipped				skipped				skipped				skipped				skipped					
		imagemagick (compare, identify)	mean color of difference image	steghide	192	100.000%	2	0.260%	192	100.000%	1	0.130%	192	100.000%	1	0.130%	192	100.000%	1	0.130%	192	100.000%	1	0.174%	
		stegoveritas, imagemagick (compare, identify)	mean color of stegoveritas-decomposition difference images	steghide	192	100.000%	33	4.297%	192	100.000%	16	2.083%	192	100.000%	16	2.083%	192	100.000%	16	2.083%	192	100.000%	10	1.736%	
		detection	stegbreak	stegbreak detection	jsteg	skipped		24	3.125%	skipped		22	2.865%	skipped		17	2.214%	skipped		17	2.214%	skipped		16	2.778%
				unexpected eof warning	0	0.000%	23	2.995%	0	0.000%	18	2.344%	capacity**		17	2.214%	skipped	capacity**	20	2.604%	skipped	capacity**	23	3.993%	
	stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped					
			outguess-0.13	1	0.521%	1	0.130%	30	15.625%			skipped	capacity**			skipped	capacity**			skipped	capacity**				
smartphone					sample set:	192 covers	embeds:	3 / 5	sample set:	192 covers	embeds:	3 / 5	sample set:	192 covers	embeds:	3 / 5	sample set:	192 covers	embeds:	3 / 5	sample set:	192 covers	embeds:	3 / 5	
					max. error:	576	skipped jsteg, f5, stegoveritas*		max. error:	576	skipped jsteg, f5, stegoveritas*		max. error:	576	skipped jsteg, f5, stegoveritas*		max. error:	576	skipped jsteg, f5, stegoveritas*		max. error:	576	skipped jsteg, f5, stegoveritas*		
blind		exiftool	file size	steghide	190	98.958%	89	15.451%	190	98.958%	84	14.583%	190	98.958%	70	12.153%	190	98.958%	70	12.153%	189	98.438%	70	12.153%	
			JFIF version	jsteg	skipped		176	30.556%	skipped		176	30.556%	skipped		176	30.556%	skipped		176	30.556%	skipped		176	30.556%	
		binwalk	data type	jsteg	skipped				skipped				skipped				skipped				skipped				
			JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
		strings	file header		jsteg	skipped				skipped				skipped				skipped				skipped			
				outguess-0.15	177	92.188%	210	36.458%	103	53.646%	208	36.111%	95	49.479%	195	33.854%	95	49.479%	198	34.375%	95	49.479%	198	34.375%	
outguess-0.13	190			98.958%	197	34.201%	189	98.438%	122	21.181%	178	92.708%	112	19.444%	181	94.271%	112	19.444%	181	94.271%	112	19.444%			
non-blind		foremost	image format integrity	f5	skipped				skipped				skipped				skipped				skipped				
			jsteg	skipped				skipped				skipped				skipped				skipped					
		imagemagick (compare, identify)	mean color of difference image	steghide	190	98.958%	25	4.340%	190	98.958%	23	3.993%	190	98.958%	9	1.563%	190	98.958%	9	1.563%	184	95.833%	9	1.563%	
		stegoveritas, imagemagick (compare, identify)	mean color of stegoveritas-decomposition difference images	steghide	skipped				skipped				skipped				skipped				skipped				
		detection	stegbreak	stegbreak detection	jsteg	skipped		14	2.431%	skipped		10	1.736%	skipped		12	2.083%	skipped		15	2.604%	skipped		13	2.257%
				unexpected eof warning	0	0.000%			0	0.000%			0	0.000%			0	0.000%			0	0.000%			
	stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped					
			outguess-0.13	1	0.521%	12	2.083%	1	0.521%	15	2.604%	39	20.313%	13	2.257%	42	21.875%	13	2.257%	46	23.958%	14	2.431%		

*according to test protocol: skipped jsteg because it does not use keys; skipped f5 because it does not support binary data nor high resolved images; skipped stegoveritas because it does not support high resolved images

**embedding error: capacity exceeded; unfortunately no stego object is created by outguess-0.15 and outguess-0.13

3	analysis-tools	attributes	stego-tool	50 bytes key length																				
				67 bytes ASCII text				1.53kb ASCII text				17.5kb ASCII text				16kb min. entropy ASCII				16.8kb binary data				
				success	fails	success	fails	success	fails	success	fails	success	fails	success	fails	success	fails							
alaska2				sample set: 640 covers max. error: 2560	embeds: 4 / 5 skipped jsteg*	sample set: 640 covers max. error: 2560	embeds: 4 / 5 skipped jsteg*	sample set: 640 covers max. error: 2560	embeds: 4 / 5 skipped jsteg*	sample set: 640 covers max. error: 2560	embeds: 4 / 5 skipped jsteg*	sample set: 640 covers max. error: 2560	embeds: 4 / 5 skipped jsteg*	sample set: 640 covers max. error: 1920	embeds: 3 / 5 skipped jsteg, f5*									
blind	exiftool	file size	steghide	638	99.688%	1221	47.695%	638	99.688%	1082	42.266%	637	99.531%	667	26.055%	638	99.688%	667	26.055%	532	83.125%	426	22.188%	
	binwalk	JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
		data type	jsteg	skipped				skipped				skipped				skipped				skipped				
		JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
	strings	file header	jsteg	skipped				skipped				skipped				skipped				skipped				
outguess-0.15			639	99.844%	1063	41.523%	476	74.375%	873	34.102%	capacity**	423	16.523%	capacity**	426	16.641%	capacity**	331	17.240%					
outguess-0.13			637	99.531%	1065	41.602%	448	70.000%	901	35.195%	capacity**	423	16.523%	capacity**	426	16.641%	capacity**	331	17.240%					
foremost	image format integrity	f5	640	100.000%			640	100.000%			640	100.000%			640	100.000%			skipped					
non-blind	imagemagick (compare, identify)	mean color of difference image	jsteg	skipped				skipped				skipped				skipped				skipped				
	stegoveritas, imagemagick (compare, identify)	mean color of difference image	steghide	640	100.000%	63	2.461%	639	99.844%	36	1.406%	632	98.750%	35	1.367%	640	100.000%	35	1.367%	117	18.281%	35	1.823%	
		mean color of stegoveritas-decomposition difference images	steghide	640	100.000%	279	10.898%	639	99.844%	121	4.727%	637	99.531%	114	4.453%	640	100.000%	114	4.453%	394	61.563%	108	5.625%	
detection	stegbreak	stegbreak detection	jsteg	skipped		86	3.359%	skipped		79	3.086%	skipped		56	2.188%	skipped		71	2.773%	skipped		47	2.448%	
	unexpected eof warning	outguess-0.13	jsteg	0	0.000%	4	0.156%	skipped	0.000%	5	0.195%	capacity**	3	0.117%	capacity**	4	0.156%	capacity**	4	0.208%				
		stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped			
detection	stegdetect	outguess-0.13	9	1.406%	17	0.664%	100	15.625%	12	0.469%	13	0.508%	capacity**	10	0.391%	capacity**	8	0.417%						
			bowski2				sample set: 192 covers max. error: 768	embeds: 4 / 5 skipped jsteg*	sample set: 192 covers max. error: 768	embeds: 4 / 5 skipped jsteg*	sample set: 192 covers max. error: 768	embeds: 4 / 5 skipped jsteg*	sample set: 192 covers max. error: 768	embeds: 4 / 5 skipped jsteg*	sample set: 192 covers max. error: 576	embeds: 3 / 5 skipped jsteg, f5*								
			192 covers																					
blind	exiftool	file size	steghide	192	100.000%			192	100.000%			192	100.000%			192	100.000%			192	100.000%			
	binwalk	JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
		data type	jsteg	skipped				skipped				skipped				skipped				skipped				
		JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
	strings	file header	jsteg	skipped				skipped				skipped				skipped				skipped				
outguess-0.15			192	100.000%	192	25.000%	136	70.833%	131	17.057%	capacity**	136	17.08%	capacity**	136	17.08%	capacity**	136	17.08%					
outguess-0.13			192	100.000%	192	25.000%	131	68.229%	136	17.08%	capacity**	136	17.08%	capacity**	136	17.08%	capacity**	136	17.08%					
foremost	image format integrity	f5	192	100.000%			192	100.000%			192	100.000%			192	100.000%			skipped					
non-blind	imagemagick (compare, identify)	mean color of difference image	jsteg	skipped				skipped				skipped				skipped				skipped				
	stegoveritas, imagemagick (compare, identify)	mean color of difference image	steghide	192	100.000%	2	0.260%	192	100.000%	1	0.130%	192	100.000%	1	0.130%	192	100.000%	1	0.130%	192	100.000%	1	0.174%	
		mean color of stegoveritas-decomposition difference images	steghide	192	100.000%	33	4.297%	192	100.000%	16	2.083%	192	100.000%	16	2.083%	192	100.000%	16	2.083%	192	100.000%	10	1.736%	
detection	stegbreak	stegbreak detection	jsteg	skipped		26	3.385%	skipped		19	2.474%	skipped		11	1.432%	skipped		17	2.214%	skipped		13	2.257%	
	unexpected eof warning	outguess-0.13	jsteg	0	0.000%	20	2.604%	skipped	0.000%	23	2.995%	capacity**	27	3.516%	capacity**	20	2.604%	capacity**	20	2.604%	skipped		19	3.299%
		stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped			
detection	stegdetect	outguess-0.13	3	1.563%	1	0.130%	26	13.542%			capacity**	1	0.130%	capacity**	1	0.130%	capacity**	1	0.130%	capacity**				
			smartphone				sample set: 192 covers max. error: 576	embeds: 3 / 5 skipped jsteg, f5, stegoveritas*	sample set: 192 covers max. error: 576	embeds: 3 / 5 skipped jsteg, f5, stegoveritas*	sample set: 192 covers max. error: 576	embeds: 3 / 5 skipped jsteg, f5, stegoveritas*	sample set: 192 covers max. error: 576	embeds: 3 / 5 skipped jsteg, f5, stegoveritas*	sample set: 192 covers max. error: 576	embeds: 3 / 5 skipped jsteg, f5, stegoveritas*								
			192 covers																					
blind	exiftool	file size	steghide	190	98.958%	89	15.451%	190	98.958%	84	14.583%	190	98.958%	70	12.153%	190	98.958%	70	12.153%	189	98.438%	70	12.153%	
	binwalk	JFIF version	jsteg	skipped		176	30.566%	skipped		176	30.566%	skipped		176	30.566%	skipped		176	30.566%	skipped		176	30.566%	
		data type	jsteg	skipped				skipped				skipped				skipped				skipped				
		JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped				
	strings	file header	jsteg	skipped				skipped				skipped				skipped				skipped				
outguess-0.15			177	92.188%	210	36.458%	103	53.646%	208	36.111%	95	49.479%	195	33.854%	95	49.479%	198	34.375%	95	49.479%	198	34.375%		
outguess-0.13			190	98.958%	197	34.201%	189	98.438%	122	21.181%	178	92.708%	112	19.444%	181	94.271%	112	19.444%	181	94.271%	112	19.444%		
foremost	image format integrity	f5	skipped				skipped				skipped				skipped				skipped					
non-blind	imagemagick (compare, identify)	mean color of difference image	jsteg	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%	
	stegoveritas, imagemagick (compare, identify)	mean color of difference image	steghide	190	98.958%	25	4.340%	190	98.958%	23	3.993%	190	98.958%	9	1.563%	190	98.958%	9	1.563%	184	95.833%	9	1.563%	
		mean color of stegoveritas-decomposition difference images	steghide	skipped					skipped				skipped				skipped				skipped			
detection	stegbreak	stegbreak detection	jsteg	skipped		15	2.604%	skipped		13	2.257%	skipped		15	2.604%	skipped		15	2.604%	skipped		14	2.431%	
	unexpected eof warning	outguess-0.13	jsteg	0	0.000%	1	0.174%	skipped	0.000%	1	0.174%	skipped	0.000%	0	0.000%	skipped	0.000%	1	0.174%	skipped	0.000%	skipped		
		stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped			
detection	stegdetect	outguess-0.13	1	0.521%	13	2.257%	3	1.563%	15	2.604%	43	22.396%	13	2.257%	39	20.313%	13	2.257%	38	19.792%	14	2.431%		

*according to test protocol: skipped jsteg because it does not use keys; skipped f5 because it does not support binary data nor high resolved images; skipped stegoveritas because it does not support high resolved images

**embedding error: capacity exceeded; unfortunately no stego object is created by outguess-0.15 and outguess-0.13