			keyless embeddings       67 bytes ASCII text     1.53kb ASCII text     16kb min. entropy ASCII     16.8kb binary data																				
1 analysis-tools	attributes	stego-tool	<u> </u>				<u> </u>					17.5kb ASCII text success fails							16.8kb binary data				
alaska2			sample set:	640 covers	fa embeds:	4 / 5	sample set:	ess 640 covers	fai embeds:	4 / 5	sample set:	cess 640 covers		4 / 5	succession sample set:	640 covers	fai embeds:	4 / 5	sample set:	640 covers	embeds:	3 / 5	
	640 covers		max. error:	2560	skipped stegi		max. error:	2560	skipped stegh		max. error:	2560	skipped stegh		max. error:		skipped stegh		max. error:	1920	skipped stegh		
exiftool	file size	steghide	skipped		1439	56.211%	skipped		1297	50.664%	skipped		879	34.336%	skipped		880	34.375%	skipped		636	33.125%	
CAITCOOL	JFIF version	jsteg	640	100.000%			640	100.000%			640	100.000%			640	100.000%			640	100.000%			
binwalk	data type	jsteg	640	100.000%			640 640	100.000% 100.000%			640 640	100.000% 100.000%			639	99.844% 99.844%			639	99.844% 99.844%			
<u></u>	JFIF version	jsteg jsteg	640 640	100.000%			640	100.000%			640	100.000%			639 640	100.000%			639	99.844% 100.000%			
ā		outguess-0.15	639	99.844%	850	33.203%	476	74.375%	661	25.820%	capacity**	100.00070	213	8.320%	capacity**	100.00070	213	8.320%	capacity**	100.00070	213	11.094%	
strings	file header	outguess-0.13	637	99.531%		33.281%	448	70.000%	689	26.914%	capacity**		213	8.320%	capacity**		213	8.320%	capacity**		213	11.094%	
		f5	640	100.000%			640	100.000%			640	100.000%			640	100.000%			skipped				
foremost	image format integrity	jsteg	640	100.000%			640	100.000%			640	100.000%			640	100.000%			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%	
(company)	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%	
stegbreak	-	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%	
	unexpected eof warning	jsteg	5	0.781%			176	27.500%			640	100.000%			640	100.000%			640	100.000%			
stegdetect	stegdetect detection	jsteg outguess-0.13	11	0.000% 1.719%	20	0.781%	105	0.000% 16.406%	52	2.031%	canacity**	0.000%	60	2.344%	canacity**	0.000%	44	1.719%	capacity**	0.000%	21	1.094%	
	bows2	Outguess-0.13	sample set:	192 covers		4/5	sample set:	192 covers		4/5	sample set:	192 covers	111	4/5	sample set:	192 covers		4/5	sample set:	192 covers	embeds:	3/5	
	192 covers		max. error:	768	skipped stegi		max. error:	768	skipped stegh		max. error:	768	skipped stegh		max. error:	768	skipped stegh		max. error:	576	skipped stegh		
exiftool	file size	steghide	skipped				skipped				skipped				skipped				skipped				
EXIITOOI	JFIF version	jsteg	192	100.000%			192	100.000%			192	100.000%			192	100.000%			192	100.000%			
binwalk	data type	jsteg	192	100.000%			191	99.479%			191	99.479%			192	100.000%			192	100.000%			
핕	JFIF version	jsteg	192	100.000%			191 192	99.479% <b>100.000</b> %			191 192	99.479% 100.000%			192 192	100.000%			192 192	100.000% 100.000%			
<b>≣</b>		jsteg outguess-0.15	1192 1192	100.000%	192	25.000%	136	70.833%	131	17.057%	capacity**	100.000%			capacity**	100.000%			capacity**	100.000%			
strings	file header	outguess-0.13	192	100.000%		25.000%	131	68.229%	136	17.708%					capacity**				capacity**				
		f5	192	100.000%	5		192	100.000%			192	100.000%			192	100.000%			skipped				
foremost	image format integrity	jsteg	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%	
٠	stegbreak detection	jsteg	3	1.563%		2.344%	5		16	2.083%	5	2.604%	10	1.302%	4	2.083%		1.432%	7	3.646%	9	1.563%	
stegbreak	unexpected eof warning	outguess-0.13 isteg	0	0.000%	11	1.432%	39	0.000% 20.313%	11	1.432%	capacity** 192	100.000%	11	1.432%	capacity** 192	100.000%	14	1.823%	capacity** 192	100.000%	11	1.910%	
<u>e</u>	σ	jsteg	10	0.000%			0	0.000%			0	0.000%			0	0.000%			0	0.000%			
stegdetect	stegdetect detection	outguess-0.13	1	0.521%	2	0.260%	24	12.500%	1	0.130%	capacity**		3	0.391%	capacity**		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		3/5	sample set:	192 covers		3/5	
	192 covers		max. error:	576	skipped stegi	, , .		576	skipped stegh		max. error:	576	skipped stegh	, , .	max. error:	576	skipped stegh		max. error:	576	skipped stegh		
exiftool	file size	steghide	skipped	00.4000/	99	17.188%	skipped	00 4000/	94	16.319%	skipped	00.4000/	80	13.889%	skipped	00.4000	80	13.889%	skipped	00.4000/	80 178	13.889% 30.903%	
	JFIF version  data type	jsteg jsteg	189	98.438% 95.833%	178	30.903% 0.347%	189 184	98.438% 95.833%	178	30.903% 0.347%	189 183	98.438% 95.313%	178	30.903% 0.347%	189 184	98.438% 95.833%	178	30.903% 0.347%	189 184	98.438% 95.833%	2	0.347%	
binwalk	JFIF version	jsteg	184	95.833%	2	0.347%	184	95.833%	:-	0.347%	183	95.313%	2		184	95.833%	1~	0.347%	184	95.833%	2	0.347%	
		jsteg	189	98.438%		0.347%	189	98.438%		0.347%	189	98.438%			189	98.438%		0.347%	189	98.438%	2	0.347%	
strings	file header	outguess-0.15	177	92.188%		35.417%	103	53.646%		35.069%	95	49.479%			95	49.479%		33.333%	95		192	33.333%	
	,	outguess-0.13	190	98.958%	191	33.160%	189	98.438%	116	20.139%		92.708%	106	18.403%	181	94.271%	106	18.403%	181	94.271%	106	18.403%	
foremost	image format integrity	f5	skipped 189	98,438%	2	0.521%	skipped 189	98.438%	2	0.521%	skipped 189	98.438%	2	0.521%	skipped 189	98.438%	2	0.521%	skipped 189	98.438%	2	0.521%	
imagemagick		jsteg		50.45676				30.430/6				50.45676	ľ.			30.430/6				50.430%			
(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				
٠	stegbreak detection	jsteg	15	7.813%	15	2.604%	17	8.854%	14	2.431%	18	9.375%	13	2.257%	14	7.292%		2.431%	14		13	2.257%	
stegbreak	-	outguess-0.13	0	0.000%			0	0.000%			0	0.000%		0.0470	0	0.000%	16	2.778%	0	0.000%	1	0.174%	
etec	unexpected eof warning	jsteg	0	0.000%			0	0.521%			13	6.771%	2	0.347%	12	6.250%	2	0.347%	13	6.771%	2	0.347%	
stegdetect	stegdetect detection	jsteg outguess-0.13	1	0.521%	13	2.257%	1	2.083%	15	2.604%	39	20.313%	21	3.646%	34	17.708%	19	3.125%	41	21.354%	13	2.257%	
1		outguess-0.13	I+	0.321%	13	2.231%	17	2.00376	113	2.004%	35	20.313%	141	3.040%	154	17.700%	110	3.123%	41	21.334%	13	2.231%	

<sup>\*</sup>according to test protocol: skipped steghide because it forces an embedding key; skipped f5 because it does not support binary data nor high resoluted images

<sup>\*\*</sup>embedding error: capacity exceeded; unfortunately no stego object is created by outguess-0.15 and outguess-0.13

2												4 bytes k	ey length									
2 analysis-tools	attributes	stego-tool			ASCII text	ile	succ		ASCII text	ile	suc	ils	16kb min. entropy ASCII s success fails					16.8kb binary data				
alaska2			sample set:	cess 640 covers		4/5	sample set:	640 covers		4/5	sample set:	640 covers		4/5	sample set:	640 covers		4/5	sample set:	640 covers		3/5
	640 covers		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*
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 JFIF version	jsteg	skipped skipped				skipped skipped				skipped skipped				skipped skipped				skipped skipped			
<u> </u>	Jrir version	jsteg jsteg	skipped				skipped				skipped				skipped				skipped			
<u> </u>	file benden	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%
strings	file header	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%
		f5	640	100.000%			640	100.000%			640	100.000%			640	100.000%			skipped			
foremost	image format integrity	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%		10.977%		99.844%		4.727%	637	99.531%		4.453%	640	100.000%		4.453%	394	61.563%		5.625%
el., ,	stegbreak detection	jsteg	skipped	0.000%	88	3.438% 0.156%	skipped	0.000%	82	3.203% 0.156%	skipped capacity**		65	2.539% 0.156%	skipped capacity**		60	2.344% 0.195%	skipped		47	2.448% 0.156%
stegbreak	unexpected eof warning	outguess-0.13 jsteg	skipped	0.000%	4	0.156%	skipped	0.000%	4	0.156%	skipped		4	0.156%	skipped		5	0.195%	capacity** skipped		3	0.156%
<u>a</u>		jsteg	skipped				skipped				skipped				skipped				skipped			
stegdetect	stegdetect detection	outguess-0.13	10	1.563%	16	0.625%	106	16.563%	13	0.508%	capacity**		10	0.391%	capacity**		9	0.352%	capacity**		7	0.365%
	bows2		sample set:	192 covers	embeds:	4/5	sample set:	192 covers		4/5	sample set:	192 covers		4/5	sample set:	192 covers		4/5	sample set:	192 covers		3/5
	192 covers		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*
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 skipped				skipped skipped				skipped skipped			
binwalk	data type JFIF version	jsteg jsteg	skipped				skipped				skipped				skipped				skipped			
<u>=</u>		jsteg	skipped				skipped				skipped				skipped				skipped			
strings	file header	outguess-0.15	192	100.000%		25.000%	136	70.833%	131	17.057%	capacity**				capacity**				capacity**			
Jan 195	jiie nedder	outguess-0.13	192	100.000%	192	25.000%	131	68.229%	136	17.708%	capacity**				capacity**				capacity**			
		f5	192	100.000%			192	100.000%			192	100.000%			192	100.000%			skipped			
foremost  imagemagick	image format integrity	jsteg	skipped				skipped				skipped				skipped				skipped			
(compare, identify) stegoveritas, imagemagick	mean color of difference image mean color of stegoveritas-	steghide	192	100.000%		0.260%	192	100.000%		0.130%	192	100.000%			192	100.000%		0.130%	192	100.000%		0.174%
(compare, identify)	decomposition difference images	steghide	192	100.000%		4.297%	192	100.000%		2.083%	192	100.000%		2.083%	192	100.000%		2.083%	192	100.000%		1.736%
5 stegbreak	stegbreak detection	jsteg	skipped	0.000%	24 23	3.125% 2.995%	skipped	0.000%	22 18	2.865% 2.344%	skipped capacity**		17 17	2.214% 2.214%	skipped capacity**		17 20	2.214% 2.604%	skipped capacity**		16 23	2.778% 3.993%
S Stegoreak	unexpected eof warning	outguess-0.13 jsteg	skipped	0.000%	23	2.33376	skipped	0.000%	10	2.344/0	skipped		1/	2.214/0	skipped		20	2.004/6	skipped		23	3.33376
8		jsteg	skipped				skipped				skipped				skipped				skipped			
stegdetect	stegdetect detection	outguess-0.13	1	0.521%	1	0.130%	30	15.625%			capacity**				capacity**				capacity**			
	smartphone		sample set:	192 covers	:	3/5	sample set:	192 covers		3/5	sample set:	192 covers		3/5	sample set:	192 covers		3/5	sample set:	192 covers	:	3/5
	192 covers		max. error:	576	skipped jsteg, f5, st			576	skipped jsteg, f5, st		max. error:	576	skipped jsteg, f5, s		max. error:	576	skipped jsteg, f5, st		max. error:	576	skipped jsteg, f5, s	
exiftool	file size JFIF version	steghide	190	98.958%	89 176	15.451% 30.556%	190	98.958%	84 176	14.583% 30.556%		98.958%	70 176	12.153% 30.556%	190	98.958%	70 176	12.153%		98.438%	70 176	12.153%
	data type	jsteg jsteg	skipped skipped		1/6	30.556%	skipped skipped		1/6	30.556%	skipped skipped		1/6	30.556%	skipped skipped		1/6	30.556%	skipped skipped		1/6	30.556%
binwalk	JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped			
<u> </u>		jsteg	skipped	•••••			skipped				skipped			••••••	skipped	•••••			skipped			
strings	file header	outguess-0.15	177	92.188%		36.458%	103	53.646%		36.111%	95	49.479%		33.854%	95	49.479%		34.375%	95	49.479%		34.375%
Jan 11 go	jiic nedder	outguess-0.13	190	98.958%	197	34.201%	189	98.438%	122	21.181%		92.708%	112	19.444%	181	94.271%	112	19.444%	181	94.271%	112	19.444%
f		f5	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%
foremost  imagemagick	image format integrity	jsteg	skipped		1		skipped		1				1		skipped		i -				1	
(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%
(compare, identify)	mean color of stegoveritas- decomposition difference images	steghide	skipped			2.42404	skipped		10	4.72601	skipped		12	2.00261	skipped		15	2.60401	skipped		13	2.257%
stegbreak	stegbreak detection	jsteg outguess-0.13	skipped 0	0.000%	14	2.431%	skipped 0	0.000%	10	1.736%	skipped 0	0.000%	12	2.083%	skipped 0	0.000%	15	2.604%	skipped 0	0.000%	13	2.257%
j j j j j j j j j j j j j j j j j j j	unexpected eof warning	jsteg	skipped		-		skipped				skipped				skipped				skipped			
ಕ stegdetect	stegdetect detection	jsteg	skipped	0.521%	12	2.083%	skipped	0.521%	15	2.604%	skipped	20.313%	12	2.257%	skipped 42	21.875%	12	2.257%	skipped 46	23.958%	14	2.431%
1		outguess-0.13	ΙŢ	0.521%	12	2.083%	1	0.521%	12	2.604%	29	20.313%	13	2.251%	42 	21.875%	12	2.257%	40	23.958%	14	2.431%

<sup>\*</sup>according to test protocol: skipped jsteg because it does not use keys; skipped f5 because it does not support binary data nor high resoluted images; skipped stegoveritas because it does not support high resoluted images

<sup>\*\*</sup>embedding error: capacity exceeded; unfortunately no stego object is created by outguess-0.15 and outguess-0.13

											!	50 bytes	key length	n								
3 analysis-tools	attributes	stego-tool	i I suc	ASCII text	ile	succ		ASCII text	ile		17.5kb /	ASCII text	16kb min. entropy ASCII Is success fails					16.8kb binary data				
alaska2			sample set:	640 covers		4/5	sample set:	640 covers		4/5	sample set:	640 covers		4/5	sample set:	640 covers		4/5	sample set:	640 covers		3/5
	640 covers		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	
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%
	JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped			
binwalk	data type	jsteg	skipped				skipped				skipped				skipped				skipped			
2	JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped			
置		jsteg outguess-0.15	skipped 639	99.844%	1063	41.523%	skipped 476	74.375%	873	34.102%	skipped capacity**		423	16.523%	skipped capacity**		426	16.641%	skipped capacity**		331	17.240%
strings	file header	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%
		f5	640	100.000%			640	100.000%			640	100.000%	1		640	100.000%	1		skipped			
foremost	image format integrity	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%	632	98.750%	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%	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%
(		jsteg	skipped		86	3.359%	skipped		79	3.086%	skipped		56	2.188%	skipped		71	2.773%	skipped		47	2.448%
<u>5</u> stegbreak	stegbreak detection	outguess-0.13	0	0.000%	4	0.156%	0	0.000%	5	0.195%	capacity**		3	0.117%	capacity**		4	0.156%	capacity**		4	0.208%
Ted .	unexpected eof warning	jsteg	skipped				skipped				skipped				skipped				skipped			
stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped			
8		outguess-0.13	9	1.406%	17	0.664%	100	15.625%		0.469%	capacity**		13	0.508%	capacity**		10	0.391%	capacity**		8	0.417%
	bows2		sample set:	192 covers		4/5	sample set:	192 covers		4/5	sample set:	192 covers		4/5	sample set:	192 covers		4/5	sample set:	192 covers		3/5
	192 covers		max. error: 192	768 100.000%	skipped jsteg	-	max. error:	768 100.000%	skipped jsteg	-	max. error:	768 100.000%	skipped jsteg	1*	max. error:	768 100.000%	skipped jsteg	-	max. error:	576 100.000%	skipped jsteg	, ƒ5↑
exiftool	file size	steghide	skipped	100.000%			skipped	100.000%			skipped	100.000%			skipped	100.000%			skipped	100.000%		
	JFIF version data type	jsteg jsteg	skipped				skipped				skipped				skipped				skipped			
binwalk	JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped			
<u>=</u>	J. 1. VC13.01	jsteg	skipped				skipped				skipped				skipped				skipped			
<u> </u>	file hearden	outguess-0.15	192	100.000%	192	25.000%	136	70.833%	131	17.057%					capacity**				capacity**			
strings fi	file header	outguess-0.13	192	100.000%	192	25.000%	131	68.229%	136	17.708%	capacity**				capacity**				capacity**			
		f5	192	100.000%			192	100.000%			192	100.000%			192	100.000%			skipped			
foremost	image format integrity	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%
	stegbreak detection	jsteg	skipped		26	3.385%	skipped		19	2.474%	skipped		11	1.432%	skipped		17	2.214%	skipped		13	2.257%
5 stegbreak	stegbreak detection	outguess-0.13	0	0.000%	20	2.604%	0	0.000%	23	2.995%	capacity**		27	3.516%	capacity**		20	2.604%	capacity**		19	3.299%
The state of the s	unexpected eof warning	jsteg	skipped				skipped				skipped				skipped				skipped			
ਲ stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped			
	smartphone	outguess-0.13	3	1.563%	1	0.130%	26	13.542%		- 1-	capacity**			- 1-	capacity**		1	0.130%	capacity**			- 1-
	192 covers		sample set:	192 covers 576	embeds:	3 / 5	sample set: max. error:	192 covers 576	embeas: skipped isteq, f5, st	3 / 5	sample set: max. error:	192 covers 576	embeas: skipped isteg, f5, s	3 / 5	sample set: max. error:	192 covers 576	embeas:	3/5	sample set: max. error:	192 covers 576	embeas:	3 / 5
	file size	steghide	190	98.958%	89	15.451%	190	98.958%		14.583%			70		190	98.958%	ample a jeregy jey a	12.153%		98.438%	empher jeregi jen	12.153%
exiftool	JFIF version	jsteg	skipped		176	30.556%	skipped		176	30.556%	skipped	30.33070	176	30.556%	skipped	30.33070	176	30.556%	skipped	30.43070	176	30.556%
	data type	jsteg	skipped		12.0	30.33070	skipped		170	30.33070	skipped		1.0		skipped		1270	30.33070	skipped		1270	
binwalk	JFIF version	jsteg	skipped				skipped				skipped				skipped				skipped			
<u> </u>		jsteg	skipped	•••••			skipped				skipped				skipped				skipped			
strings	file header	outguess-0.15	177	92.188%		36.458%	103	53.646%		36.111%	95	49.479%			95	49.479%		34.375%	95	49.479%		34.375%
365	inc nedder	outguess-0.13	190	98.958%	197	34.201%	189	98.438%	122	21.181%		92.708%	112	19.444%	181	94.271%	112	19.444%	181	94.271%	112	19.444%
		f5	skipped				skipped				skipped				skipped				skipped			
foremost	image format integrity	jsteg	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%	skipped		1	0.174%
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			
stegbreak	stegbreak detection	jsteg outguess-0.13	skipped 0	0.000%	15 1	2.604% 0.174%	skipped 0	0.000%	13 1	2.257% 0.174%	skipped 0	0.000%	15	2.604%	skipped 0	0.000%	15 1	2.604% 0.174%	skipped 0	0.000%	14	2.431%
<u> </u>	unexpected eof warning	jsteg	skipped				skipped				skipped				skipped				skipped			
ਬੋ stegdetect	stegdetect detection	jsteg	skipped				skipped				skipped				skipped				skipped			
		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%

<sup>\*</sup>according to test protocol: skipped jsteg because it does not use keys; skipped f5 because it does not support binary data nor high resoluted images; skipped stegoveritas because it does not support high resoluted images

<sup>\*\*</sup>embedding error: capacity exceeded; unfortunately no stego object is created by outguess-0.15 and outguess-0.13