

Rule	Description	Total	Ham	%	Spam	%
required		113,603	93,632	82.4	19,971	17.6
BAYES_00	Bayesian spam probability is 0 to 1%	91,236	89,129	97.7	2,107	2.3
HTML_MESSAGE	HTML included in message	84,933	70,975	83.6	13,958	16.4
autolearn=not		40,649	40,649	100	0	0
DCC_CHECK	Listed in DCC (http://rhyolite.com/anti-spam/dcc/)	34,725	20,172	58.1	14,553	41.9
MIME_HTML_ONLY	Message only has text/html MIME parts	21,847	16,231	74.3	5,616	25.7
DKIM_SIGNED	Domain Keys Identified Mail: message has a signature	21,029	15,535	73.9	5,494	26.1
DKIM_VERIFIED	Domain Keys Identified Mail: signature passes verification	19,595	14,246	72.7	5,349	27.3
SPF_HELO_PASS	SPF: HELO matches SPF record	19,542	13,705	70.1	5,837	29.9
RAZOR2_CHECK	Listed in Razor2 (http://razor.sf.net/)	15,606	1,976	12.7	13,630	87.3
RAZOR2_CF_RANGE_51_100	Razor2 gives confidence level above 50%	14,242	1,356	9.5	12,886	90.5
BOTNET		12,800	8,137	63.6	4,663	36.4
DIGEST_MULTIPLE	Message hits more than one network digest check	11,624	1,170	10.1	10,454	89.9
RAZOR2_CF_RANGE_E8_51_100	Razor2 gives engine 8 confidence level above 50%	11,410	831	7.3	10,579	92.7
RCVD_IN_DNSWL_LOW		10,037	9,865	98.3	172	1.7
RDNS_NONE		9,698	6,601	68.1	3,097	31.9
RCVD_IN_DNSWL_MED		9,325	9,280	99.5	45	0.5
BAYES_99	Bayesian spam probability is 99 to 100%	9,017	47	0.5	8,970	99.5
URIBL_JP_SURBL	Contains an URL listed in the JP SURBL blocklist	8,394	167	2	8,227	98
autolearn=spam		7,301	0	0	7,301	100
RAZOR2_CF_RANGE_E4_51_100	Razor2 gives engine 4 confidence level above 50%	7,130	600	8.4	6,530	91.6
SARE_UNI		6,076	4,903	80.7	1,173	19.3
MIME_OP_LONG_LINE	Quoted-printable line longer than 76 chars	6,004	4,612	76.8	1,392	23.2
HTML_IMAGE_RATIO_02	HTML has a low ratio of text to image area	5,843	2,508	42.9	3,335	57.1
BAYES_50	Bayesian spam probability is 40 to 60%	5,457	926	17	4,531	83
HTML_IMAGE_RATIO_04	HTML has a low ratio of text to image area	4,479	3,536	78.9	943	21.1
EXTRA_MPART_TYPE	Header has extraneous Content-type: ...type= entry	3,606	3,403	94.4	203	5.6
URIBL_OB_SURBL	Contains an URL listed in the OB SURBL blocklist	3,449	121	3.5	3,328	96.5
SARE_GIF_ATTACH	Email has a inline gif	3,183	2,976	93.5	207	6.5
HTML_FONT_SIZE_LARGE	HTML font size is large	3,045	2,770	91	275	9
URIBL_WS_SURBL	Contains an URL listed in the WS SURBL blocklist	2,982	101	3.4	2,881	96.6
SARE_UN7		2,886	2,749	95.3	137	4.7
HTML_IMAGE_RATIO_06	HTML has a low ratio of text to image area	2,838	2,516	88.7	322	11.3
HTML_IMAGE_RATIO_08	HTML has a low ratio of text to image area	2,627	2,368	90.1	259	9.9
KAM_MX		2,549	1,367	53.6	1,182	46.4
SUBJ_ALL_CAPS	Subject is all capitals	2,519	1,404	55.7	1,115	44.3
MPART_ALT_DIFF	HTML and text parts are different	2,390	1,325	55.4	1,065	44.6
RCVD_IN_IADB_LISTED		2,387	2,368	99.2	19	0.8
RCVD_IN_IADB_SPF		2,305	2,291	99.4	14	0.6
RDNS_DYNAMIC		2,226	1,171	52.6	1,055	47.4
WHOIS_NETSOLPR		2,168	1,439	66.4	729	33.6
HTML_MIME_NO_HTML_TAG	HTML-only message, but there is no HTML tag	2,103	1,425	67.8	678	32.2
KAM_ADVERT2		2,098	1,126	53.7	972	46.3
HTML_IMAGE_ONLY_12	HTML: images with 800-1200 bytes of words	2,083	235	11.3	1,848	88.7
FB_TO_STOP_DISTRO		1,937	0	0	1,937	100
MIME_HTML_MAIN	Multipart message mostly text/html MIME	1,787	1,166	65.2	621	34.8
DATE_IN_PAST_03_06	Date: is 3 to 6 hours before Received: date	1,686	783	46.4	903	53.6
HTML_SHORT_LINK_IMG_2	HTML is very short with a linked image	1,632	166	10.2	1,466	89.8
DC_IMG_TEXT_RATIO		1,588	740	46.6	848	53.4
RCVD_IN_PBL		1,522	147	9.7	1,375	90.3
DC_IMAGE001_GIF		1,479	1,392	94.1	87	5.9
URI_HEX	URI hostname has long hexadecimal sequence	1,458	801	54.9	657	45.1
MIME_BASE64_TEXT	Message text disguised using base64 encoding	1,384	1,322	95.5	62	4.5
ADVANCE_FEE_2	Appears to be advance fee fraud (Nigerian 419)	1,360	83	6.1	1,277	93.9
FORGED_MUA_OUTLOOK	Forged mail pretending to be from MS Outlook	1,304	39	3	1,265	97
NORMAL_HTTP_TO_IP	Uses a dotted-decimal IP address in URL	1,222	470	38.5	752	61.5
HTML_SHORT_LINK_IMG_1	HTML is very short with a linked image	1,210	317	26.2	893	73.8
SARE_MONEYTERMS	Talks about money in some way.	1,186	455	38.4	731	61.6
HTML_IMAGE_ONLY_16	HTML: images with 1200-1600 bytes of words	1,172	221	18.9	951	81.1
BAD_CREDIT	Eliminate Bad Credit	1,153	287	24.9	866	75.1
URIBL_AB_SURBL	Contains an URL listed in the AB SURBL blocklist	1,151	5	0.4	1,146	99.6
HABEAS_ACCREDITED_SOI	Habeas Accredited Opt-In or Better	1,139	1,125	98.8	14	1.2

SARE_WEOFFER	Offers Something	1,109	908	81.9	201	18.1
HTML_TAG_BALANCE_BODY	HTML has unbalanced "body" tags	1,107	569	51.4	538	48.6
SARE_MILLIONSOFF	Millions of something.	1,101	813	73.8	288	26.2
WHOIS_DMNBYPROXY		1,086	793	73	293	27
TW_JS	Odd Letter Triples with JS	1,078	1,059	98.2	19	1.8
HTML_IMAGE_ONLY_32	HTML: images with 2800-3200 bytes of words	1,070	516	48.2	554	51.8
RCVD_IN_BSP_TRUSTED	Sender is in Bonded Sender Program (trusted relay)	1,067	1,067	100	0	0
URIBL_RHS_DOB		1,057	206	19.5	851	80.5
DATE_IN_PAST_06_12	Date: is 6 to 12 hours before Received: date	1,055	791	75	264	25
RCVD_IN_DNSWL_HI		1,044	1,044	100	0	0
SARE_HOMELoAN	Home mortgage stuff	1,039	912	87.8	127	12.2
HTML_IMAGE_ONLY_24	HTML: images with 2000-2400 bytes of words	1,028	374	36.4	654	63.6
MPART_ALT_DIFF_COUNT	HTML and text parts are different	991	159	16	832	84
HTML_FONT_FACE_BAD	HTML font face is not a word	986	898	91.1	88	8.9
URIBL_SC_SURBL	Contains an URL listed in the SC SURBL blocklist	981	72	7.3	909	92.7
HTML_FONT_SIZE_HUGE	HTML font size is huge	979	829	84.7	150	15.3
RCVD_IN_SORBS_DUL	SORBS: sent directly from dynamic IP address	960	86	9	874	91
HTML_IMAGE_ONLY_20	HTML: images with 1600-2000 bytes of words	959	310	32.3	649	67.7
US_DOLLARS_3	Mentions millions of \$ (\$NN,NNN,NNN.NN)	935	395	42.2	540	57.8
RCVD_IN_BL_SPAMCOP_NET	Received via a relay in bl.spamcop.net	932	105	11.3	827	88.7
HTML_IMAGE_ONLY_28	HTML: images with 2400-2800 bytes of words	928	440	47.4	488	52.6
HTML_SHORT_LINK_IMG_3	HTML is very short with a linked image	925	213	23	712	77
BAYES_60	Bayesian spam probability is 60 to 80%	913	51	5.6	862	94.4
MISSING_MIMEOLE	Message has X-MSMail-Priority, but no X-MimeOLE	903	835	92.5	68	7.5
KAM_BADIPHTTP		895	195	21.8	700	78.2
MSOE_MID_WRONG_CASE		893	1	0.1	892	99.9
SARE_UNA		864	690	79.9	174	20.1
BAYES_20	Bayesian spam probability is 5 to 20%	849	476	56.1	373	43.9
SARE_FRAUD_X3	Matches 3+ phrases commonly used in fraud spam	828	20	2.4	808	97.6
TVD_SPACE_RATIO		824	700	85	124	15
ADVANCE_FEE_3	Appears to be advance fee fraud (Nigerian 419)	807	7	0.9	800	99.1
WEIRD_PORT	Uses non-standard port number for HTTP	802	787	98.1	15	1.9
BAYES_80	Bayesian spam probability is 80 to 95%	794	13	1.6	781	98.4
BAYES_05	Bayesian spam probability is 1 to 5%	792	497	62.8	295	37.2
BAYES_40	Bayesian spam probability is 20 to 40%	769	252	32.8	517	67.2
URIBL_SBL	Contains an URL listed in the SBL blocklist	764	175	22.9	589	77.1
SARE_LOANOFF	No one needs Loan officers anymore	751	688	91.6	63	8.4
FROM_EXCESS_BASE64	From: base64 encoded unnecessarily	734	625	85.1	109	14.9
FUZZY_OCR	Mail contains an image with common spam text inside	700	153	21.9	547	78.1
INVALID_MSGID	Message-Id is not valid, according to RFC 2822	661	85	12.9	576	87.1
DIET_1	Lose Weight Spam	657	396	60.3	261	39.7
MSGID_FROM_MTA_HEADER	Message-Id was added by a relay	649	581	89.5	68	10.5
GMD_PDF_EMPTY_BODY		602	602	100	0	0
BAYES_95	Bayesian spam probability is 95 to 99%	595	9	1.5	586	98.5
MARKETING_PARTNERS	Claims you registered with a partner	590	108	18.3	482	81.7
RCVD_IN_IADB_SENDERID		589	581	98.6	8	1.4
MY_CID_AND_ARIAL2	SARE CID and Arial2	587	501	85.3	86	14.7
USER_IN_WHITELIST	From: address is in the user's white-list	575	575	100	0	0
MISSING_SUBJECT	Missing Subject: header	571	405	70.9	166	29.1
PYZOR_CHECK	Listed in Pyzor (http://pyzor.sf.net/)	570	133	23.3	437	76.7
RCVD_IN_NJABL_SPAM	NJABL: sender is confirmed spam source	565	264	46.7	301	53.3
SARE_UNSUB31		561	558	99.5	3	0.5
RCVD_IN_SORBS_WEB	SORBS: sender is a abuseable web server	539	70	13	469	87
MIME_HEADER_CTYPE_ONLY	'Content-Type' found without required MIME headers	524	363	69.3	161	30.7
DYN_RDNS_AND_INLINE_IMAGE		514	139	27	375	73
KAM_THEBAT		505	37	7.3	468	92.7
HS_INDEX_PARAM		500	220	44	280	56
HTML_IMAGE_ONLY_08	HTML: images with 400-800 bytes of words	498	326	65.5	172	34.5
ADVANCE_FEE_4	Appears to be advance fee fraud (Nigerian 419)	496	4	0.8	492	99.2
DC_IMG_HTML_RATIO		496	386	77.8	110	22.2
SARE_UNSUB38		484	98	20.2	386	79.8
SARE_FRAUD_X4	Matches 4+ phrases commonly used in fraud spam	473	2	0.4	471	99.6
URI_NOVOWEL	URI hostname has long non-vowel sequence	460	65	14.1	395	85.9

RCVD_NUMERIC_HELO	Received: contains an IP address used for HELO	449	237	52.8	212	47.2
MSGID_MULTIPLE_AT	Message-ID contains multiple '@' characters	443	401	90.5	42	9.5
MILLION_USD	Talks about millions of dollars	440	7	1.6	433	98.4
SARE_UNSUB24		440	257	58.4	183	41.6
UPPERCASE_50_75	message body is 50-75% uppercase	434	406	93.5	28	6.5
FUZZY_AMBIEN	Attempt to obfuscate words in spam	430	401	93.3	29	6.7
SUBJ_DOLLARS	Subject starts with dollar amount	429	244	56.9	185	43.1
DATE_IN_PAST_12_24	Date: is 12 to 24 hours before Received: date	422	125	29.6	297	70.4
DRUGS_ERECTILE	Refers to an erectile drug	405	17	4.2	388	95.8
HTTP_ESCAPED_HOST	Uses %-escapes inside a URL's hostname	404	333	82.4	71	17.6
KAM_DEBT2		398	94	23.6	304	76.4
FH_FROM_CASH		397	1	0.3	396	99.7
SARE_UNSUB38D		396	231	58.3	165	41.7
TVD_PDF_FINGER01		390	390	100	0	0
PLING_QUERY	Subject has exclamation mark and question mark	375	273	72.8	102	27.2
FORGED_YAHOO_RCVD	'From' yahoo.com does not match 'Received' headers	373	128	34.3	245	65.7
RCVD_IN_SBL	Received via a relay in Spamhaus SBL	368	15	4.1	353	95.9
TO_MALFORMED	To: has a malformed address	368	347	94.3	21	5.7
SARE_ADULT2	Contains adult material	365	104	28.5	261	71.5
SARE_UN2		361	336	93.1	25	6.9
SARE_EN_A_BOX_1	Phone number or address pulled from spam	359	0	0	359	100
DEAR_FRIEND	Dear Friend? That's not very dear!	358	104	29.1	254	70.9
HTML_FONT_LOW_CONTRAST	HTML font color similar to background	354	304	85.9	50	14.1
FORGED_OUTLOOK_HTML	Outlook can't send HTML message only	338	2	0.6	336	99.4
SARE_UN4		334	306	91.6	28	8.4
FORGED_OUTLOOK_TAGS	Outlook can't send HTML in this format	330	31	9.4	299	90.6
SPF_HELO_NEUTRAL	SPF: HELO does not match SPF record (neutral)	324	61	18.8	263	81.2
SARE_URI_DMEDZDc		319	278	87.1	41	12.9
SARE_SXLIFE	Talks about your sex life	315	211	67	104	33
HTML_EXTRA_CLOSE	HTML contains far too many close tags	310	155	50	155	50
KAM_SEX		309	3	1	306	99
TW_ZG	Odd Letter Triples with ZG	300	4	1.3	296	98.7
WHOIS_PRIVPROT		300	160	53.3	140	46.7
SARE_RMML_Stock19		294	147	50	147	50
SUBJECT_NEEDS_ENCODING		292	199	68.2	93	31.8
MIME_BASE64_BLANKS	Extra blank lines in base64 encoding	290	289	99.7	1	0.3
KAM_LOTTO1		280	18	6.4	262	93.6
SARE_EN_N_800_9_1	Phone number or address pulled from spam	280	80	28.6	200	71.4
GMD_PDF_HORIZ		273	273	100	0	0
MIME_HTML_ONLY_MULTI	Multipart message only has text/html MIME parts	266	242	91	24	9
URIBL_BLACK	Contains an URL listed in the URIBL blacklist	265	20	7.5	245	92.5
SARE_FRAUD_X5	Matches 5+ phrases commonly used in fraud spam	262	0	0	262	100
SARE_UND		261	214	82	47	18
REMOVE_BEFORE_LINK	Removal phrase right before a link	257	248	96.5	9	3.5
DKIM_POLICY_SIGNALL	Domain Keys Identified Mail: policy says domain signs all mails	256	11	4.3	245	95.7
STOX_REPLY_TYPE		253	122	48.2	131	51.8
SARE_URGBIZ	Contains urgent matter	252	20	7.9	232	92.1
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SARE_LEGIT_PAYPAL	Has signs it's from paypal, from, headers, uri	250	250	100	0	0
TW_YC	Odd Letter Triples with YC	243	5	2.1	238	97.9
SARE_MLH_Stock1	Subject mentions stock or stock related words	242	188	77.7	54	22.3
ACT_NOW_CAPS	Talks about 'acting now' with capitals	240	194	80.8	46	19.2
LOW_PRICE	Lowest Price	239	212	88.7	27	11.3
DEAR_SOMETHING	Contains 'Dear (something)'	237	66	27.8	171	72.2
HTML_TITLE_SUBJ_DIFF		237	55	23.2	182	76.8
EXCUSE_REMOVE	Talks about how to be removed from mailings	235	185	78.7	50	21.3
SARE_OEM_S_DOL	One strike, you're out	232	202	87.1	30	12.9
SARE_LWSHORTT		229	143	62.4	86	37.6
UNPARSEABLE_RELAY	Informational: message has unparseable relay lines	224	175	78.1	49	21.9
FH_XMAIL_RND_833		223	7	3.1	216	96.9
TW_DP	Odd Letter Triples with DP	218	211	96.8	7	3.2
FH_FROMEML_NOTLD		218	101	46.3	117	53.7
INVALID_DATE	Invalid Date: header (not RFC 2822)	217	147	67.7	70	32.3

HTML_TAG_BALANCE_HEAD	HTML has unbalanced "head" tags	213	204	95.8	9	4.2
FROM_STARTS_WITH_NUMS	From: starts with many numbers	208	202	97.1	6	2.9
BANG_GUAR	Something is emphatically guaranteed	205	183	89.3	22	10.7
SUBJ_YOUR_DEBT	Subject contains "Your Bills" or similar	204	22	10.8	182	89.2
SPF_HELO_SOFTFAIL	SPF: HELO does not match SPF record (softfail)	200	60	30	140	70
UPPERCASE_75_100	message body is 75-100% uppercase	196	81	41.3	115	58.7
SARE_BIZOP	Biz op could be legit, but often isn't.	195	134	68.7	61	31.3
WHOIS_PRIVACYPOST		192	91	47.4	101	52.6
FB_CIALIS_LEO3		188	17	9	171	91
SARE_SPEC_LEO_LINE03a		188	180	95.7	8	4.3
URIBL_PH_SURBL	Contains an URL listed in the PH SURBL blocklist	187	17	9.1	170	90.9
SARE_SUB_TERM_LIFE		179	8	4.5	171	95.5
SUSPICIOUS_RECIPS	Similar addresses in recipient list	177	4	2.3	173	97.7
HABEAS_ACCREDITED_COI	Habeas Accredited Confirmed Opt-In or Better	175	175	100	0	0
KAM_LOTTO2		171	5	2.9	166	97.1
IP_LINK_PLUS	Dotted-decimal IP address followed by CGI	170	45	26.5	125	73.5
DATE_IN_FUTURE_12_24	Date: is 12 to 24 hours after Received: date	168	19	11.3	149	88.7
SARE_UNSUB09		158	143	90.5	15	9.5
SARE_FRAUD_X6	Matches 6+ phrases commonly used in fraud spam	157	0	0	157	100
SARE_FASTAPPRV	Talks about quick approval	157	10	6.4	147	93.6
KAM_STOCKTIP		157	50	31.8	107	68.2
HTML_COMMENT_SAVED_URL	HTML message is a saved web page	156	114	73.1	42	26.9
FUZZY_CPILL	Attempt to obfuscate words in spam	150	143	95.3	7	4.7
TVD_APP_LOAN		149	113	75.8	36	24.2
NA_DOLLARS	Talks about a million North American dollars	146	7	4.8	139	95.2
SARE_OEM_S_PRICE	CSS style that ends with price	144	136	94.4	8	5.6
FORGED_HOTMAIL_RCVD2	hotmail.com 'From' address, but no 'Received:'	137	94	68.6	43	31.4
FROM_LOCAL_NOVOWEL	From: localpart has series of non-vowel letters	136	27	19.9	109	80.1
FB_GET_MEDS		133	47	35.3	86	64.7
DATE_IN_FUTURE_06_12	Date: is 6 to 12 hours after Received: date	131	15	11.5	116	88.5
KAM_VIAGRA6		129	1	0.8	128	99.2
MIME_BOUND_MANY_HEX	Spam tool pattern in MIME boundary	129	14	10.9	115	89.1
SARE_SPEC_LEO_LINE03f		126	117	92.9	9	7.1
MISSING_HEADERS	Missing To: header	124	122	98.4	2	1.6
KAM_VIAGRA7		122	0	0	122	100
INVESTMENT_ADVICE	Message mentions investment advice	120	109	90.8	11	9.2
TW_RQ	Odd Letter Triples with RQ	120	90	75	30	25
TVD_APPROVED		117	32	27.4	85	72.6
TW_VP	Odd Letter Triples with VP	116	22	19	94	81
SARE_PRODUCT	Talks about product offerings.	116	83	71.6	33	28.4
XMAILER_MIMEOLE_OL_1ECD5		115	0	0	115	100
BODY_ENHANCEMENT2	Information on getting larger body parts	115	7	6.1	108	93.9
SARE_DIPLOMA2	Talks about online degrees or diplomas	114	7	6.1	107	93.9
GMD_PRODUCER_GPL		111	87	78.4	24	21.6
TW_QE	Odd Letter Triples with QE	111	95	85.6	16	14.4
SARE_FORGED_CHASE	Message appears to be forged, (chase.com)	109	44	40.4	65	59.6
SHORT_HELO_AND_INLINE_IMAGE		107	98	91.6	9	8.4
SARE_FWDLOOK	Forward looking statements about stocks	104	88	84.6	16	15.4
DATE_IN_PAST_96_XX	Date: is 96 hours or more before Received: date	103	21	20.4	82	79.6
MY_CID_AND_STYLE	SARE cid and style	103	60	58.3	43	41.7
FUZZY_OCR_WRONG_EXTENSION	Mail contains an image with wrong file extension	102	62	60.8	40	39.2
SUBJECT_FUZZY_TION	Attempt to obfuscate words in Subject:	102	68	66.7	34	33.3
ONLINE_PHARMACY	Online Pharmacy	101	20	19.8	81	80.2
FU_LONG_QUERY3		100	47	47	53	53
FB_INDEPEND_RWD		99	0	0	99	100
SARE_RMML_Stock1		99	93	93.9	6	6.1
MY_CID_AND_CLOSING	SARE cid and closing	98	76	77.6	22	22.4
LOTTERY_PH_004470		97	2	2.1	95	97.9
T_TVD_FW_GRAPHIC_ID1		97	66	68	31	32
RCVD_IN_IADB_EPIA		96	91	94.8	5	5.2
SARE_BANK_URI_IP		94	5	5.3	89	94.7
TVD_VISIT_PHARMA		93	20	21.5	73	78.5
KAM_SPAMKING		92	7	7.6	85	92.4

KAM_FDA		92	45	48.9	47	51.1
GMD_PDF_SQUARE		91	86	94.5	5	5.5
FUZZY_VPILL	Attempt to obfuscate words in spam	90	84	93.3	6	6.7
KAM_ANA		90	2	2.2	88	97.8
RCVD_IN_IADB_OPTIN_GT50		89	88	98.9	1	1.1
SARE_UNSUB17		89	0	0	89	100
KAM_LOTTO3		88	0	0	88	100
FH_HELO_EQ_D_D_D_D		87	0	0	87	100
TVD_RCVD_IP		86	0	0	86	100
FM_IS_IT_OUR_ACCOUNT		85	79	92.9	6	7.1
SARE_SPEC_REPLICA_OBFU		83	57	68.7	26	31.3
DEAR_WINNER		83	2	2.4	81	97.6
HELO_DYNAMIC_IPADDR2	Relay HELO'd using suspicious hostname (IP addr 2)	82	0	0	82	100
PRICES_ARE_AFFORDABLE	Message says that prices aren't too expensive	82	57	69.5	25	30.5
USER_IN_DEF_WHITELIST	From: address is in the default white-list	82	82	100	0	0
TW_HV	Odd Letter Triples with HV	82	50	61	32	39
RCVD_IN_NJABL_PROXY	NJABL: sender is an open proxy	80	20	25	60	75
SARE_LWACT_QUICKLY	Spammer thinks you should hurry.	80	40	50	40	50
SUBJ_BUY	Subject line starts with Buy or Buying	80	55	68.8	25	31.3
TW_ZC	Odd Letter Triples with ZC	78	62	79.5	16	20.5
TW_TQ	Odd Letter Triples with TQ	76	47	61.8	29	38.2
SUBJ_ILLEGAL_CHARS	Subject: has too many raw illegal characters	76	62	81.6	14	18.4
TW_QM	Odd Letter Triples with QM	75	43	57.3	32	42.7
DATE_IN_PAST_24_48	Date: is 24 to 48 hours before Received: date	75	24	32	51	68
PART_CID_STOCK_LESS		72	53	73.6	19	26.4
TW_SV	Odd Letter Triples with SV	72	58	80.6	14	19.4
BAD_ENC_HEADER	Message has bad MIME encoding in the header	72	41	56.9	31	43.1
KAM_TV		71	0	0	71	100
SARE_PROLOSTOCK_SYM1	Last week's hot stock scam	70	70	100	0	0
LOCALPART_IN_SUBJECT	Local part of To: address appears in Subject	70	57	81.4	13	18.6
MONEY_BACK	Money back guarantee	70	39	55.7	31	44.3
DC_IMAGE_SPAM_TEXT		69	2	2.9	67	97.1
HTML_OBFUSCATE_05_10	Message is 5% to 10% HTML obfuscation	69	65	94.2	4	5.8
TW_VB	Odd Letter Triples with VB	69	49	71	20	29
URIBL_GREY	Contains an URL listed in the URIBL greylist	68	55	80.9	13	19.1
FUZZY_OCR_CORRUPT_IMG	Mail contains a corrupted image	68	15	22.1	53	77.9
DRUGS_ANXIETY	Refers to an anxiety control drug	67	5	7.5	62	92.5
SARE_ADLTSUB2	Contains possible adult words	66	38	57.6	28	42.4
FB_WORD1_END_DOLLAR		66	51	77.3	15	22.7
TW_XS	Odd Letter Triples with XS	65	49	75.4	16	24.6
SPF_HELO_FAIL	SPF: HELO does not match SPF record (fail)	65	44	67.7	21	32.3
SARE_NTWKMRKT	Network marketing, pyramid scheme.	64	20	31.3	44	68.8
FROM_LOCAL_HEX	From: localpart has long hexadecimal sequence	64	25	39.1	39	60.9
TW_MZ	Odd Letter Triples with MZ	64	50	78.1	14	21.9
TW_XD	Odd Letter Triples with XD	63	12	19	51	81
FUZZY_OCR_WRONG_CTYPE	Mail contains an image with wrong content-type set	63	11	17.5	52	82.5
HTML_EMBEDS	HTML with embedded plugin object	62	59	95.2	3	4.8
SARE_RMML_Stock9		61	59	96.7	2	3.3
SUBJECT_DRUG_GAP_C	Subject contains a gappy version of 'cialis'	61	2	3.3	59	96.7
FS_WEIGHT_LOSS		61	14	23	47	77
TW_QZ	Odd Letter Triples with QZ	60	22	36.7	38	63.3
TVD_PH_SUBJ_META		60	28	46.7	32	53.3
SARE_MLB_Stock1		59	46	78	13	22
TW_XQ	Odd Letter Triples with XQ	59	7	11.9	52	88.1
FIN_FREE	Freedom of a financial nature	59	23	39	36	61
RATWARE_MS_HASH	Bulk email fingerprint (msgid ms hash) found	59	48	81.4	11	18.6
SARE_UNSUB23		58	58	100	0	0
TW_JH	Odd Letter Triples with JH	58	38	65.5	20	34.5
TW_QF	Odd Letter Triples with QF	57	21	36.8	36	63.2
TW_PD	Odd Letter Triples with PD	57	7	12.3	50	87.7
TW_QY	Odd Letter Triples with QY	57	32	56.1	25	43.9
SARE_LWOILCO		56	18	32.1	38	67.9
TVD_FW_GRAPHIC_NAME_LONG		54	46	85.2	8	14.8

SARE_LOTTO_SPAM2		54	0	0	54	100
SARE_HOUSEWIVES	Mentions housewives, as in porn or in-home biz	54	10	18.5	44	81.5
TW_FJ	Odd Letter Triples with FJ	54	4	7.4	50	92.6
SARE_UNSUB25		54	4	7.4	50	92.6
RATWARE_OUTLOOK_NONAME	Bulk email fingerprint (Outlook no name) found	54	48	88.9	6	11.1
TW_QL	Odd Letter Triples with QL	54	19	35.2	35	64.8
FB_SOFTTABS		52	0	0	52	100
TW_HK	Odd Letter Triples with HK	52	43	82.7	9	17.3
SARE_URI_EQUALS		52	18	34.6	34	65.4
DC_GIF_MULTI_LARGO		52	8	15.4	44	84.6
FAKE_REPLY_C		52	7	13.5	45	86.5
TW_JB	Odd Letter Triples with JB	52	30	57.7	22	42.3
FUZZY_REFINANCE	Attempt to obfuscate words in spam	52	36	69.2	16	30.8
KAM_MX3		51	0	0	51	100
SARE_LWSYMFMT		51	1	2	50	98
MY_CID_ARIAL_STYLE	SARE cid arial2 style	51	10	19.6	41	80.4
FS_START_DOYOU2		51	19	37.3	32	62.7
GAPPY_SUBJECT	Subject: contains G.a.p.p.y-T.e.x.t	50	48	96	2	4
TW_WW	Odd Letter Triples with WW	50	38	76	12	24
SUBJECT_FUZZY_MEDS	Attempt to obfuscate words in Subject:	50	10	20	40	80
RCVD_IN_BSP_OTHER	Sender is in Bonded Sender Program (other relay)	49	49	100	0	0
FUZZY_OCR_KNOWN_HASH	Mail contains an image with known hash	49	30	61.2	19	38.8
TW_QH	Odd Letter Triples with QH	49	6	12.2	43	87.8
HELO_DYNAMIC_IPADDR	Relay HELO'd using suspicious hostname (IP addr 1)	49	0	0	49	100
DRUG_ED_CAPS	Mentions an E.D. drug	49	5	10.2	44	89.8
DRUGS_MUSCLE	Refers to a muscle relaxant	49	18	36.7	31	63.3
TW_BX	Odd Letter Triples with BX	49	33	67.3	16	32.7
TVD_FINGER_02		48	5	10.4	43	89.6
TW_PQ	Odd Letter Triples with PQ	48	5	10.4	43	89.6
TW_BM	Odd Letter Triples with BM	48	45	93.8	3	6.3
SARE_SUB_NEW_CREDIT		47	5	10.6	42	89.4
TW_JX	Odd Letter Triples with JX	47	10	21.3	37	78.7
SARE_URI_IHIRE		47	41	87.2	6	12.8
SARE_SUBLRNMR	Learn more in Subject	47	41	87.2	6	12.8
TW_PW	Odd Letter Triples with PW	47	40	85.1	7	14.9
TW_BL	Odd Letter Triples with BL	46	46	100	0	0
URI_NO_WWW_INFO CGI	CGI in .info TLD other than third-level "www"	46	0	0	46	100
HTML_NONELEMENT_30_40	30% to 40% of HTML elements are non-standard	46	45	97.8	1	2.2
HTML_IMAGE_ONLY_04	HTML: images with 0-400 bytes of words	46	18	39.1	28	60.9
IMPOTENCE	Impotence cure	45	2	4.4	43	95.6
SARE_ALC	Some header matches /improve your/i	45	22	48.9	23	51.1
TW_YX	Odd Letter Triples with YX	45	22	48.9	23	51.1
TW_QX	Odd Letter Triples with QX	45	4	8.9	41	91.1
TW_QP	Odd Letter Triples with QP	45	4	8.9	41	91.1
KAM_UNIV		44	0	0	44	100
TW_NQ	Odd Letter Triples with NQ	44	4	9.1	40	90.9
DC_PNG_MULTI_LARGO		44	42	95.5	2	4.5
SARE_UNSUB29		44	25	56.8	19	43.2
SARE_URI_VDRUG_GIF		43	43	100	0	0
SARE_FINCLOP	Talks about financial or internet opportunity.	43	33	76.7	10	23.3
HELO_DYNAMIC_DHCP	Relay HELO'd using suspicious hostname (DHCP)	43	17	39.5	26	60.5
TW_DB	Odd Letter Triples with DB	43	29	67.4	14	32.6
TW_JW	Odd Letter Triples with JW	43	18	41.9	25	58.1
FROM_LOCAL_DIGITS	From: localpart has long digit sequence	43	23	53.5	20	46.5
TW_OJ	Odd Letter Triples with OJ	43	25	58.1	18	41.9
SARE_EN_A_6XX_1	Phone number or address pulled from spam	43	0	0	43	100
SARE_PROLOSTOCK_SYM3	Last week's hot stock scam	43	4	9.3	39	90.7
TW_CQ	Odd Letter Triples with CQ	42	8	19	34	81
TW_KD	Odd Letter Triples with KD	42	27	64.3	15	35.7
HELO_DYNAMIC_SPLIT_IP	Relay HELO'd using suspicious hostname (Split IP)	42	0	0	42	100
FM_FRM_RN_L_BRACK		42	21	50	21	50
TW_KJ	Odd Letter Triples with KJ	42	17	40.5	25	59.5
TW_QC	Odd Letter Triples with QC	42	6	14.3	36	85.7

TW_NH	Odd Letter Triples with NH	42	0	0	42	100
FH_HOST_EQ_DYNAMICIP		42	1	2.4	41	97.6
TVD_PH_SUBJ_URGENT		41	6	14.6	35	85.4
SARE_BETTERORG	Talks about getting better orgasms	41	7	17.1	34	82.9
EXCUSE_4	Claims you can be removed from the list	41	13	31.7	28	68.3
RCVD_IN_IADB_EDDB		41	41	100	0	0
TW_JF	Odd Letter Triples with JF	41	15	36.6	26	63.4
TW_PG	Odd Letter Triples with PG	41	28	68.3	13	31.7
SARE_OBFU_AMP2B	invalid character within URI host/domain	41	34	82.9	7	17.1
SARE_OEM_WIN_DOL		40	40	100	0	0
DKIM_POLICY_TESTING	Domain Keys Identified Mail: policy says domain is testing DK	40	40	100	0	0
TW_HJ	Odd Letter Triples with HJ	40	2	5	38	95
TW_TG	Odd Letter Triples with TG	40	11	27.5	29	72.5
TW_WQ	Odd Letter Triples with WQ	40	5	12.5	35	87.5
HTML_COMMENT_SHORT	HTML comment is very short	40	40	100	0	0
SUBJECT_DIET	Subject talks about losing pounds	39	3	7.7	36	92.3
WEIRD_QUOTING	Weird repeated double-quotation marks	39	39	100	0	0
TW_VQ	Odd Letter Triples with VQ	39	4	10.3	35	89.7
TW_BQ	Odd Letter Triples with BQ	39	3	7.7	36	92.3
TW_JQ	Odd Letter Triples with JQ	39	4	10.3	35	89.7
TW_JZ	Odd Letter Triples with JZ	39	5	12.8	34	87.2
TW_QW	Odd Letter Triples with QW	39	8	20.5	31	79.5
KAM_CANSPAM		39	8	20.5	31	79.5
TW_HQ	Odd Letter Triples with HQ	38	4	10.5	34	89.5
KAM_CAR		38	0	0	38	100
UNCLAIMED_MONEY	People just leave money laying around	38	0	0	38	100
TW_LQ	Odd Letter Triples with LQ	38	3	7.9	35	92.1
DATE_IN_FUTURE_03_06	Date: is 3 to 6 hours after Received: date	37	3	8.1	34	91.9
SARE_BAYES_5x8	Bayes poison 5x8	37	33	89.2	4	10.8
SARE_ONDEAL	Phrase, On this deal	37	30	81.1	7	18.9
TW_IB	Odd Letter Triples with IB	37	30	81.1	7	18.9
TW_SQ	Odd Letter Triples with SQ	37	17	45.9	20	54.1
DOS_OE_TO_MX		37	0	0	37	100
RCVD_ILLEGAL_IP	Received: contains illegal IP address	37	9	24.3	28	75.7
DC_GIF_UNO_LARGO		36	3	8.3	33	91.7
TW_OQ	Odd Letter Triples with OQ	36	5	13.9	31	86.1
TW_KQ	Odd Letter Triples with KQ	36	8	22.2	28	77.8
TW_ZQ	Odd Letter Triples with ZQ	36	6	16.7	30	83.3
FS_AT_NO_COST		36	16	44.4	20	55.6
SARE_LWHUGE		36	29	80.6	7	19.4
SARE_SPOOF_BADURL		36	35	97.2	1	2.8
TW_XJ	Odd Letter Triples with XJ	35	6	17.1	29	82.9
TW_KN	Odd Letter Triples with KN	35	16	45.7	19	54.3
TW_JM	Odd Letter Triples with JM	35	10	28.6	25	71.4
TW_KX	Odd Letter Triples with KX	35	16	45.7	19	54.3
SARE_MLB_Stock6	ML obfuscated ticker symbols	34	30	88.2	4	11.8
TW_PT	Odd Letter Triples with PT	34	28	82.4	6	17.6
SARE_UNSUB13		34	26	76.5	8	23.5
TW_GJ	Odd Letter Triples with GJ	34	4	11.8	30	88.2
TW_QR	Odd Letter Triples with QR	34	7	20.6	27	79.4
NUMERIC_HTTP_ADDR	Uses a numeric IP address in URL	34	12	35.3	22	64.7
FM_SUBJ_APPROVE		33	21	63.6	12	36.4
DATE_IN_FUTURE_96_XX	Date: is 96 hours or more after Received: date	33	2	6.1	31	93.9
TW_JK	Odd Letter Triples with JK	33	10	30.3	23	69.7
TW_FQ	Odd Letter Triples with FQ	33	4	12.1	29	87.9
TW_QD	Odd Letter Triples with QD	33	5	15.2	28	84.8
TW_ZJ	Odd Letter Triples with ZJ	33	7	21.2	26	78.8
GUARANTEED_100_PERCENT	One hundred percent guaranteed	33	14	42.4	19	57.6
SARE_UNSUB22		32	27	84.4	5	15.6
SARE_LOTTO_SPAM		32	0	0	32	100
TW_QJ	Odd Letter Triples with QJ	32	3	9.4	29	90.6
TW_SJ	Odd Letter Triples with SJ	32	7	21.9	25	78.1
TW_GT	Odd Letter Triples with GT	32	23	71.9	9	28.1

TW_IQ	Odd Letter Triples with IQ	32	6 18.8	26 81.3
TW_VJ	Odd Letter Triples with VJ	32	9 28.1	23 71.9
REFINANCE_NOW	Home refinancing	32	26 81.3	6 18.8
TW_UJ	Odd Letter Triples with UJ	31	15 48.4	16 51.6
TW_ZV	Odd Letter Triples with ZV	31	6 19.4	25 80.6
DRUGS_ANXIETY_EREC	Refers to both an erectile and an anxiety drug	31	0 0	31 100
TW_GQ	Odd Letter Triples with GQ	31	3 9.7	28 90.3
TW_DQ	Odd Letter Triples with DQ	31	6 19.4	25 80.6
SUBJ_YOUR_FAMILY	Subject contains "Your Family"	31	6 19.4	25 80.6
TVD_FW_GRAPHIC_NAME_MID		31	24 77.4	7 22.6
RM_bpoem_InstantDL	Contains spammer phrasing - oem s/w	31	26 83.9	5 16.1
FRT_REFINANCE1		31	24 77.4	7 22.6
SARE_UNK		31	28 90.3	3 9.7
FROM_BLANK_NAME	From: contains empty name	31	28 90.3	3 9.7
RCVD_IN_SSC_TRUSTED_COI		31	31 100	0 0
TW_WJ	Odd Letter Triples with WJ	31	2 6.5	29 93.5
SARE_FORGE_NAME_VISA		30	1 3.3	29 96.7
TW_QS	Odd Letter Triples with QS	30	4 13.3	26 86.7
HTML_IFRAME_SRC		30	18 60	12 40
TW_TK	Odd Letter Triples with TK	30	17 56.7	13 43.3
TW_BP	Odd Letter Triples with BP	30	23 76.7	7 23.3
SARE_UNSUB18		30	23 76.7	7 23.3
TW_SN	Odd Letter Triples with SN	30	18 60	12 40
SARE_CSBIG	Only Spicy food gives me an Explosive Gain.	30	15 50	15 50
TW_MX	Odd Letter Triples with MX	30	6 20	24 80
TW_KZ	Odd Letter Triples with KZ	30	6 20	24 80
TW_RX	Odd Letter Triples with RX	30	4 13.3	26 86.7
TW_JD	Odd Letter Triples with JD	30	15 50	15 50
FB_YOUR_REFI		30	21 70	9 30
FS_NO_SCRIP		29	0 0	29 100
TW_CX	Odd Letter Triples with CX	29	5 17.2	24 82.8
TW_TX	Odd Letter Triples with TX	29	10 34.5	19 65.5
TRACKER_ID	Incorporates a tracking ID number	29	24 82.8	5 17.2
TW_QO	Odd Letter Triples with QO	29	9 31	20 69
ANY_BOUNCE_MESSAGE		29	13 44.8	16 55.2
TW_QB	Odd Letter Triples with QB	29	8 27.6	21 72.4
TW_JY	Odd Letter Triples with JY	29	5 17.2	24 82.8
TW_DJ	Odd Letter Triples with DJ	29	5 17.2	24 82.8
PART_CID_STOCK		29	15 51.7	14 48.3
TVD_RATWARE_MSGID_02		28	0 0	28 100
TW_JP	Odd Letter Triples with JP	28	5 17.9	23 82.1
MSGID_SPAM_LETTERS	Spam tool Message-Id: (letters variant)	28	0 0	28 100
TW_YJ	Odd Letter Triples with YJ	28	3 10.7	25 89.3
TW_VF	Odd Letter Triples with VF	28	6 21.4	22 78.6
TW_GF	Odd Letter Triples with GF	28	3 10.7	25 89.3
RCVD_IN_IADB_ML_DOPTIN		28	28 100	0 0
TW_SM	Odd Letter Triples with SM	28	20 71.4	8 28.6
SARE_RMML_Stock25		28	15 53.6	13 46.4
TW_VZ	Odd Letter Triples with VZ	28	10 35.7	18 64.3
TW_JC	Odd Letter Triples with JC	28	17 60.7	11 39.3
TW_XA	Odd Letter Triples with XA	28	21 75	7 25
SARE_UNSUB30		28	21 75	7 25
CRBOUNCE_MESSAGE		28	12 42.9	16 57.1
TW_XN	Odd Letter Triples with XN	27	6 22.2	21 77.8
TW_GP	Odd Letter Triples with GP	27	15 55.6	12 44.4
FUZZY_XPILL	Attempt to obfuscate words in spam	27	2 7.4	25 92.6
TW_AQ	Odd Letter Triples with AQ	27	13 48.1	14 51.9
TW_QG	Odd Letter Triples with QG	27	5 18.5	22 81.5
SARE_UN5		27	21 77.8	6 22.2
TW_QN	Odd Letter Triples with QN	26	4 15.4	22 84.6
TW_PR	Odd Letter Triples with PR	26	22 84.6	4 15.4
TW_KR	Odd Letter Triples with KR	26	15 57.7	11 42.3
SARE_RD_TO_BAD_TLD		26	22 84.6	4 15.4

TW_PM	Odd Letter Triples with PM	26	16 61.5	10 38.5
BODY_ENHANCEMENT	Information on growing body parts	26	5 19.2	21 80.8
TW_YM	Odd Letter Triples with YM	26	16 61.5	10 38.5
TW_ZX	Odd Letter Triples with ZX	26	4 15.4	22 84.6
TW_KT	Odd Letter Triples with KT	25	21 84	4 16
SARE_UNG		25	4 16	21 84
TW_FZ	Odd Letter Triples with FZ	25	4 16	21 84
TW_EQ	Odd Letter Triples with EQ	25	4 16	21 84
TW_PZ	Odd Letter Triples with PZ	25	5 20	20 80
TW_QK	Odd Letter Triples with QK	25	5 20	20 80
TW_ZM	Odd Letter Triples with ZM	25	7 28	18 72
TW_JJ	Odd Letter Triples with JJ	25	8 32	17 68
TW_YF	Odd Letter Triples with YF	25	10 40	15 60
SARE_BAYES_5x7	Bayes poison 5x7	25	18 72	7 28
DRUG_ED_GENERIC	Mentions Generic Viagra	24	0 0	24 100
TW_LR	Odd Letter Triples with LR	24	13 54.2	11 45.8
TW_MW	Odd Letter Triples with MW	24	8 33.3	16 66.7
WHOIS_UNLISTED		24	0 0	24 100
TW_WX	Odd Letter Triples with WX	24	12 50	12 50
TW_XZ	Odd Letter Triples with XZ	24	8 33.3	16 66.7
HELO_DYNAMIC_HCC	Relay HELO'd using suspicious hostname (HCC)	24	0 0	24 100
TW_CV	Odd Letter Triples with CV	24	15 62.5	9 37.5
TW_XF	Odd Letter Triples with XF	24	10 41.7	14 58.3
SUBJECT_DRUG_GAP_L	Subject contains a gappy version of 'levitra'	24	3 12.5	21 87.5
TW_MV	Odd Letter Triples with MV	24	10 41.7	14 58.3
TW_RJ	Odd Letter Triples with RJ	24	6 25	18 75
TW_QV	Odd Letter Triples with QV	24	6 25	18 75
TW_MQ	Odd Letter Triples with MQ	24	5 20.8	19 79.2
TVD_QUAL_MEDS		24	1 4.2	23 95.8
TW_UV	Odd Letter Triples with UV	24	8 33.3	16 66.7
TW_KM	Odd Letter Triples with KM	24	9 37.5	15 62.5
SARE_EN_A_1XX_1	Phone number or address pulled from spam	23	1 4.3	22 95.7
TW_QT	Odd Letter Triples with QT	23	8 34.8	15 65.2
TW_FC	Odd Letter Triples with FC	23	7 30.4	16 69.6
TW_ZW	Odd Letter Triples with ZW	23	4 17.4	19 82.6
TVD_PH_REC		23	9 39.1	14 60.9
FROM_OFFERS	From address is "at something-offers"	23	10 43.5	13 56.5
TW_NV	Odd Letter Triples with NV	23	12 52.2	11 47.8
TW_HX	Odd Letter Triples with HX	23	5 21.7	18 78.3
TW_FD	Odd Letter Triples with FD	23	13 56.5	10 43.5
TW_TW	Odd Letter Triples with TW	23	14 60.9	9 39.1
HTTP_EXCESSIVE_ESCAPES	Completely unnecessary %-escapes inside a URL	23	20 87	3 13
TW_PP	Odd Letter Triples with PP	22	18 81.8	4 18.2
TW_OZ	Odd Letter Triples with OZ	22	12 54.5	10 45.5
TW_WU	Odd Letter Triples with WU	22	2 9.1	20 90.9
TW_MK	Odd Letter Triples with MK	22	8 36.4	14 63.6
TW_HB	Odd Letter Triples with HB	22	5 22.7	17 77.3
FH_FROM_GIVEAWAY		22	0 0	22 100
RCVD_DOUBLE_IP_LOOSE	Received: by and from look like IP addresses	22	2 9.1	20 90.9
TW_YQ	Odd Letter Triples with YQ	22	1 4.5	21 95.5
TW_UQ	Odd Letter Triples with UQ	22	2 9.1	20 90.9
TW_EB	Odd Letter Triples with EB	22	12 54.5	10 45.5
TW_JV	Odd Letter Triples with JV	22	4 18.2	18 81.8
TW_JN	Odd Letter Triples with JN	22	11 50	11 50
TW_PX	Odd Letter Triples with PX	22	4 18.2	18 81.8
TW_MJ	Odd Letter Triples with MJ	22	5 22.7	17 77.3
TW_VT	Odd Letter Triples with VT	22	5 22.7	17 77.3
KAM_TIME		22	14 63.6	8 36.4
TVD_PH_SUBJ_ACCOUNTS_POST		22	7 31.8	15 68.2
TW_FW	Odd Letter Triples with FW	22	8 36.4	14 63.6
TW_ZN	Odd Letter Triples with ZN	22	9 40.9	13 59.1
TW_BF	Odd Letter Triples with BF	22	11 50	11 50
TW_XB	Odd Letter Triples with XB	22	8 36.4	14 63.6

TW_JT	Odd Letter Triples with JT	22	6 27.3	16 72.7
TW_VR	Odd Letter Triples with VR	22	8 36.4	14 63.6
TW_ZZ	Odd Letter Triples with ZZ	22	11 50	11 50
TW_XX	Odd Letter Triples with XX	22	14 63.6	8 36.4
TW_TJ	Odd Letter Triples with TJ	21	3 14.3	18 85.7
SARE_BAYES_6x8	Bayes poison 6x8	21	20 95.2	1 4.8
SARE_FORGED_BANKOFA		21	4 19	17 81
TW_HH	Odd Letter Triples with HH	21	6 28.6	15 71.4
SARE_RMML_Stock4		21	6 28.6	15 71.4
TVD_ACT_193		21	13 61.9	8 38.1
TW_BD	Odd Letter Triples with BD	21	18 85.7	3 14.3
SARE_SPEC_REALLY_WORK4		21	19 90.5	2 9.5
TW_EG	Odd Letter Triples with EG	21	13 61.9	8 38.1
TW_RW	Odd Letter Triples with RW	21	13 61.9	8 38.1
TW_WZ	Odd Letter Triples with WZ	21	11 52.4	10 47.6
TW_XH	Odd Letter Triples with XH	21	3 14.3	18 85.7
TW_XL	Odd Letter Triples with XL	21	4 19	17 81
TW_SX	Odd Letter Triples with SX	21	5 23.8	16 76.2
TW_KP	Odd Letter Triples with KP	21	7 33.3	14 66.7
TW_DF	Odd Letter Triples with DF	21	11 52.4	10 47.6
TW_TP	Odd Letter Triples with TP	21	7 33.3	14 66.7
SARE_UNSUB39		21	0 0	21 100
TW_JL	Odd Letter Triples with JL	21	4 19	17 81
TW_ZF	Odd Letter Triples with ZF	21	7 33.3	14 66.7
TW_UY	Odd Letter Triples with UY	21	7 33.3	14 66.7
MY_CID_ARIAL2_CLOSING	SARE cid arial2 closing	21	8 38.1	13 61.9
TW_GD	Odd Letter Triples with GD	21	12 57.1	9 42.9
FRT_LEVITRA		20	20 100	0 0
TW_TM	Odd Letter Triples with TM	20	15 75	5 25
DATE_IN_FUTURE_48_96	Date: is 48 to 96 hours after Received: date	20	0 0	20 100
SARE_FORGED_WELLS		20	0 0	20 100
RCVD_IN_XBL	Received via a relay in Spamhaus XBL	20	0 0	20 100
TW_JG	Odd Letter Triples with JG	20	1 5	19 95
TW_UH	Odd Letter Triples with UH	20	3 15	17 85
SARE_ADLTOBFU	Contains OBFU adult material	20	6 30	14 70
TW_AV	Odd Letter Triples with AV	20	7 35	13 65
FREE_QUOTE_INSTANT	Free express or no-obligation quote	20	3 15	17 85
TW_EJ	Odd Letter Triples with EJ	20	6 30	14 70
FROM_NO_USER	From: has no local-part before @ sign	20	2 10	18 90
TW_RV	Odd Letter Triples with RV	20	7 35	13 65
TW_WM	Odd Letter Triples with WM	20	8 40	12 60
SARE_LW1933	Reference to Securities Act	20	13 65	7 35
HTML_OBFUSCATE_10_20	Message is 10% to 20% HTML obfuscation	20	18 90	2 10
TW_XV	Odd Letter Triples with XV	20	5 25	15 75
TW_BJ	Odd Letter Triples with BJ	20	4 20	16 80
TW_YY	Odd Letter Triples with YY	19	2 10.5	17 89.5
TW_YZ	Odd Letter Triples with YZ	19	3 15.8	16 84.2
SARE_SELLYOUR	SELL * YOUR in caps	19	19 100	0 0
TW_QQ	Odd Letter Triples with QQ	19	1 5.3	18 94.7
SARE_SEXDRIVE	Talks about sex drive	19	11 57.9	8 42.1
TW_HP	Odd Letter Triples with HP	19	10 52.6	9 47.4
TW_IJ	Odd Letter Triples with IJ	19	1 5.3	18 94.7
TW_ZP	Odd Letter Triples with ZP	19	3 15.8	16 84.2
TW_VG	Odd Letter Triples with VG	19	3 15.8	16 84.2
MSGID_RANDY	Message-Id has pattern used in spam	19	7 36.8	12 63.2
TW_FK	Odd Letter Triples with FK	19	7 36.8	12 63.2
TW_GV	Odd Letter Triples with GV	19	10 52.6	9 47.4
TW_FG	Odd Letter Triples with FG	19	6 31.6	13 68.4
TW_YB	Odd Letter Triples with YB	19	3 15.8	16 84.2
TW_XW	Odd Letter Triples with XW	19	3 15.8	16 84.2
TW_YW	Odd Letter Triples with YW	19	4 21.1	15 78.9
TW_YP	Odd Letter Triples with YP	19	5 26.3	14 73.7
TW_PN	Odd Letter Triples with PN	19	8 42.1	11 57.9

TW_NB	Odd Letter Triples with NB	19	13 68.4	6 31.6
DC_PNG_UNO_LARGO		19	9 47.4	10 52.6
TW_KF	Odd Letter Triples with KF	19	10 52.6	9 47.4
TW_NR	Odd Letter Triples with NR	19	18 94.7	1 5.3
TW_JR	Odd Letter Triples with JR	19	6 31.6	13 68.4
TW_GX	Odd Letter Triples with GX	19	5 26.3	14 73.7
TW_NX	Odd Letter Triples with NX	19	9 47.4	10 52.6
HEAD_LONG	Message headers are very long	19	12 63.2	7 36.8
TW_KY	Odd Letter Triples with KY	18	16 88.9	2 11.1
XMAILER_MIMEOLE_OL_3AC1D		18	0 0	18 100
TW_EK	Odd Letter Triples with EK	18	1 5.6	17 94.4
RCVD_IN_NJABL_RELAY	NJABL: sender is confirmed open relay	18	1 5.6	17 94.4
TW_BZ	Odd Letter Triples with BZ	18	1 5.6	17 94.4
MSGID_OUTLOOK_INVALID	Message-Id is fake (in Outlook Express format)	18	3 16.7	15 83.3
TW_HG	Odd Letter Triples with HG	18	3 16.7	15 83.3
SARE_RMML_Stock10		18	12 66.7	6 33.3
TW_YV	Odd Letter Triples with YV	18	3 16.7	15 83.3
TW_IY	Odd Letter Triples with IY	18	5 27.8	13 72.2
TW_VX	Odd Letter Triples with VX	18	4 22.2	14 77.8
TW_VH	Odd Letter Triples with VH	18	5 27.8	13 72.2
TW_MM	Odd Letter Triples with MM	18	16 88.9	2 11.1
SARE_BAYES_7x5	Bayes poison 7x5	18	14 77.8	4 22.2
TW_YD	Odd Letter Triples with YD	18	5 27.8	13 72.2
TW_PV	Odd Letter Triples with PV	18	6 33.3	12 66.7
FM_MORTGAGE4PLUS		18	13 72.2	5 27.8
TW_GN	Odd Letter Triples with GN	18	14 77.8	4 22.2
TW_VW	Odd Letter Triples with VW	18	12 66.7	6 33.3
TW_BV	Odd Letter Triples with BV	18	8 44.4	10 55.6
TW_HZ	Odd Letter Triples with HZ	18	9 50	9 50
KAM_DEBT		17	2 11.8	15 88.2
TW_CZ	Odd Letter Triples with CZ	17	4 23.5	13 76.5
KAM_STOCKGEN		17	6 35.3	11 64.7
TW_GK	Odd Letter Triples with GK	17	6 35.3	11 64.7
TW_DX	Odd Letter Triples with DX	17	8 47.1	9 52.9
SARE_SPEC_LEO_LINE03e		17	17 100	0 0
FRT_OFFER2		17	12 70.6	5 29.4
TW_KG	Odd Letter Triples with KG	17	8 47.1	9 52.9
TW_ZT	Odd Letter Triples with ZT	17	6 35.3	11 64.7
TW_XK	Odd Letter Triples with XK	17	4 23.5	13 76.5
TW_ZB	Odd Letter Triples with ZB	17	2 11.8	15 88.2
TW_GZ	Odd Letter Triples with GZ	17	3 17.6	14 82.4
TW_UW	Odd Letter Triples with UW	17	4 23.5	13 76.5
TW_WT	Odd Letter Triples with WT	17	6 35.3	11 64.7
SARE_EBAY_SPOOF_NAME		17	8 47.1	9 52.9
TW_VC	Odd Letter Triples with VC	17	10 58.8	7 41.2
TW_KC	Odd Letter Triples with KC	17	7 41.2	10 58.8
SARE_ADULT1	Contains adult material	16	16 100	0 0
SARE_OEM_A_1	Common OEM spam phrases	16	15 93.8	1 6.3
TW_UZ	Odd Letter Triples with UZ	16	11 68.8	5 31.3
SARE_FORGED_CITI	Message appears to be forged, (citibank.com)	16	7 43.8	9 56.3
TW_UF	Odd Letter Triples with UF	16	3 18.8	13 81.3
SARE_RECV_IP_208053011		16	0 0	16 100
SARE_HEAD_HDR_XSPAMTST		16	0 0	16 100
FRT_PENIS1		16	0 0	16 100
TW_FX	Odd Letter Triples with FX	16	6 37.5	10 62.5
TW_BN	Odd Letter Triples with BN	16	1 6.3	15 93.8
FS_START_LOSE		16	3 18.8	13 81.3
TW_SG	Odd Letter Triples with SG	16	12 75	4 25
TW_PK	Odd Letter Triples with PK	16	8 50	8 50
FH_HOST_EQ_VERIZON_P		16	3 18.8	13 81.3
TW_ZD	Odd Letter Triples with ZD	16	7 43.8	9 56.3
TW_OV	Odd Letter Triples with OV	16	6 37.5	10 62.5
TW_LG	Odd Letter Triples with LG	16	7 43.8	9 56.3

FUZZY_VLIUM	Attempt to obfuscate words in spam	16	9 56.3	7 43.8
TW_DN	Odd Letter Triples with DN	16	9 56.3	7 43.8
TW_SR	Odd Letter Triples with SR	16	11 68.8	5 31.3
KAM_NIGERIAN		15	0 0	15 100
TW_HF	Odd Letter Triples with HF	15	1 6.7	14 93.3
TW_PB	Odd Letter Triples with PB	15	2 13.3	13 86.7
FUZZY_MORTGAGE	Attempt to obfuscate words in spam	15	9 60	6 40
TW_LW	Odd Letter Triples with LW	15	8 53.3	7 46.7
TW_KV	Odd Letter Triples with KV	15	3 20	12 80
TW_VV	Odd Letter Triples with VV	15	0 0	15 100
DRUGS_SLEEP_EREC	Refers to both an erectile and a sleep aid drug	15	0 0	15 100
TW_DV	Odd Letter Triples with DV	15	1 6.7	14 93.3
TW_FY	Odd Letter Triples with FY	15	3 20	12 80
TW_DL	Odd Letter Triples with DL	15	7 46.7	8 53.3
TW_DW	Odd Letter Triples with DW	15	5 33.3	10 66.7
TW_TV	Odd Letter Triples with TV	15	3 20	12 80
BILLION_DOLLARS	Talks about lots of money	15	4 26.7	11 73.3
TW_VN	Odd Letter Triples with VN	15	4 26.7	11 73.3
TW_QA	Odd Letter Triples with QA	15	4 26.7	11 73.3
TW_ZH	Odd Letter Triples with ZH	15	6 40	9 60
TW_IV	Odd Letter Triples with IV	15	7 46.7	8 53.3
TW_BG	Odd Letter Triples with BG	15	7 46.7	8 53.3
TW_VU	Odd Letter Triples with VU	14	3 21.4	11 78.6
TW_MH	Odd Letter Triples with MH	14	0 0	14 100
SARE_ENLRGYOUR	Talks about "enlarging" something	14	1 7.1	13 92.9
TW_YG	Odd Letter Triples with YG	14	1 7.1	13 92.9
TW_TF	Odd Letter Triples with TF	14	1 7.1	13 92.9
RCVD_IN_IADB_VOUCHED	ISIPP IADB lists as vouched-for sender	14	14 100	0 0
TW_WG	Odd Letter Triples with WG	14	3 21.4	11 78.6
TW_GM	Odd Letter Triples with GM	14	5 35.7	9 64.3
TW_LX	Odd Letter Triples with LX	14	5 35.7	9 64.3
TW_NM	Odd Letter Triples with NM	14	7 50	7 50
HIDE_WIN_STATUS	Javascript to hide URLs in browser	14	8 57.1	6 42.9
SORTED_RECIPS	Recipient list is sorted by address	14	5 35.7	9 64.3
FB_SPACED_PHN_3B		14	5 35.7	9 64.3
TW_VK	Odd Letter Triples with VK	14	3 21.4	11 78.6
TW_WH	Odd Letter Triples with WH	14	7 50	7 50
TW_MR	Odd Letter Triples with MR	14	7 50	7 50
FS_LARGE_PERCENT2		14	11 78.6	3 21.4
TW_KL	Odd Letter Triples with KL	14	4 28.6	10 71.4
TW_DH	Odd Letter Triples with DH	13	11 84.6	2 15.4
SARE_UNSUB35		13	13 100	0 0
FR_3TAG_3TAG		13	12 92.3	1 7.7
NO_PRESCRIPTION	No prescription needed	13	0 0	13 100
TW_FH	Odd Letter Triples with FH	13	2 15.4	11 84.6
TW_XM	Odd Letter Triples with XM	13	3 23.1	10 76.9
TW_VL	Odd Letter Triples with VL	13	3 23.1	10 76.9
TW_DK	Odd Letter Triples with DK	13	4 30.8	9 69.2
SARE_BAYES_8x5	Bayes poison 8x5	13	10 76.9	3 23.1
TW_IW	Odd Letter Triples with IW	13	5 38.5	8 61.5
EMPTY_MESSAGE	Message appears to have no textual parts and no Subject: text	13	3 23.1	10 76.9
TW_XR	Odd Letter Triples with XR	13	5 38.5	8 61.5
TW_WC	Odd Letter Triples with WC	13	4 30.8	9 69.2
TW_WV	Odd Letter Triples with WV	13	4 30.8	9 69.2
TW_NL	Odd Letter Triples with NL	13	4 30.8	9 69.2
TW_CP	Odd Letter Triples with CP	13	9 69.2	4 30.8
TW_KW	Odd Letter Triples with KW	12	2 16.7	10 83.3
TW_GW	Odd Letter Triples with GW	12	3 25	9 75
SARE_UNM		12	4 33.3	8 66.7
SARE_OEM_MONEY_OFFIC		12	12 100	0 0
SARE_MLB_Stock3		12	12 100	0 0
TW_EV	Odd Letter Triples with EV	12	8 66.7	4 33.3
GMD_PDF_STOX_M5		12	8 66.7	4 33.3

TW_GB	Odd Letter Triples with GB	12	6	50	6	50
TW_XP	Odd Letter Triples with XP	12	3	25	9	75
TW_IX	Odd Letter Triples with IX	12	6	50	6	50
TW_RH	Odd Letter Triples with RH	12	6	50	6	50
TW_YI	Odd Letter Triples with YI	12	5	41.7	7	58.3
TW_DT	Odd Letter Triples with DT	12	5	41.7	7	58.3
TW_YH	Odd Letter Triples with YH	12	1	8.3	11	91.7
TW_KB	Odd Letter Triples with KB	12	5	41.7	7	58.3
SARE_SUB_CHEAP		12	0	0	12	100
TW_ZU	Odd Letter Triples with ZU	12	4	33.3	8	66.7
TW_CL	Odd Letter Triples with CL	12	3	25	9	75
FRT_OPPORTUN1		12	3	25	9	75
KAM_GOOGLE		12	0	0	12	100
TW_ZK	Odd Letter Triples with ZK	12	2	16.7	10	83.3
FB_NO_SCRIP_NEEDED		12	0	0	12	100
TW_UU	Odd Letter Triples with UU	12	1	8.3	11	91.7
TW_WY	Odd Letter Triples with WY	12	1	8.3	11	91.7
TW_ZR	Odd Letter Triples with ZR	12	2	16.7	10	83.3
TW_GC	Odd Letter Triples with GC	12	2	16.7	10	83.3
TW_YT	Odd Letter Triples with YT	12	6	50	6	50
TW_DR	Odd Letter Triples with DR	12	6	50	6	50
TW_II	Odd Letter Triples with II	12	7	58.3	5	41.7
TW_CB	Odd Letter Triples with CB	12	11	91.7	1	8.3
FB_RE_FI		11	9	81.8	2	18.2
FS_NEW_XXX		11	11	100	0	0
HTML_NONELEMENT_40_50	40% to 50% of HTML elements are non-standard	11	11	100	0	0
TW_FS	Odd Letter Triples with FS	11	9	81.8	2	18.2
TW_NW	Odd Letter Triples with NW	11	8	72.7	3	27.3
SARE_TOWRITE	Contains phrasing used by spammers	11	6	54.5	5	45.5
JOIN_MILLIONS	Join Millions of Americans	11	6	54.5	5	45.5
TW_UX	Odd Letter Triples with UX	11	0	0	11	100
TVD_SUBJ_WIPE_DEBT		11	0	0	11	100
TW_FV	Odd Letter Triples with FV	11	2	18.2	9	81.8
TW_DZ	Odd Letter Triples with DX	11	2	18.2	9	81.8
TW_CD	Odd Letter Triples with CD	11	4	36.4	7	63.6
TW_RZ	Odd Letter Triples with RZ	11	4	36.4	7	63.6
SUBJECT_DRUG_GAP_VA	Subject contains a gappy version of 'valium'	11	4	36.4	7	63.6
MSGID_SHORT	Message-ID is unusually short	11	3	27.3	8	72.7
TW_SZ	Odd Letter Triples with SZ	11	3	27.3	8	72.7
KAM_SEO		11	0	0	11	100
TW_CN	Odd Letter Triples with CN	11	3	27.3	8	72.7
TW_XT	Odd Letter Triples with XT	11	3	27.3	8	72.7
TW_IK	Odd Letter Triples with IK	11	8	72.7	3	27.3
TW_VM	Odd Letter Triples with VM	11	2	18.2	9	81.8
TW_TN	Odd Letter Triples with TN	11	4	36.4	7	63.6
TW_WD	Odd Letter Triples with WD	11	7	63.6	4	36.4
SARE_SUBRATES	The Subject line talks about low rates	10	8	80	2	20
FS_DOLLAR_BONUS		10	6	60	4	40
TW_XU	Odd Letter Triples with XU	10	1	10	9	90
KAM_VIAGRA1		10	5	50	5	50
SARE_SPEC_ROLEX		10	4	40	6	60
KAM_RBL		10	0	0	10	100
KAM_GIFT		10	1	10	9	90
SARE_UNSUB36		10	1	10	9	90
TW_FN	Odd Letter Triples with FN	10	2	20	8	80
TW_CG	Odd Letter Triples with CG	10	3	30	7	70
WHOIS_REGISTERFLY		10	3	30	7	70
TW_TB	Odd Letter Triples with TB	10	4	40	6	60
APOSTROPHE_FROM		10	10	100	0	0
SARE_RMML_Stock26		10	7	70	3	30
GMD_PRODUCER_EASYPDF		10	10	100	0	0
FUZZY_CREDIT	Attempt to obfuscate words in spam	10	7	70	3	30
TW_UC	Odd Letter Triples with UC	10	6	60	4	40

TW_TC	Odd Letter Triples with TC	10	2	20	8	80
FUZZY_PHARMACY	Attempt to obfuscate words in spam	9	9	100	0	0
SARE_BAYES_9x5	Bayes poison 9+x5	9	6	66.7	3	33.3
TW_PC	Odd Letter Triples with PC	9	5	55.6	4	44.4
TW_HW	Odd Letter Triples with HW	9	4	44.4	5	55.6
TW_HC	Odd Letter Triples with HC	9	4	44.4	5	55.6
FB_HARD_ERECTION		9	0	0	9	100
MISSING_DATE	Missing Date: header	9	8	88.9	1	11.1
FUZZY_PRESCRIPT	Attempt to obfuscate words in spam	9	0	0	9	100
TW_XI	Odd Letter Triples with XI	9	0	0	9	100
SARE_FREE_WEBM_COMWALL		9	0	0	9	100
TW_KK	Odd Letter Triples with KK	9	4	44.4	5	55.6
TW_PF	Odd Letter Triples with PF	9	1	11.1	8	88.9
TW_NP	Odd Letter Triples with NP	9	1	11.1	8	88.9
FRT_MEETING		9	9	100	0	0
FRT_DOLLAR		9	2	22.2	7	77.8
TW_XG	Odd Letter Triples with XG	9	3	33.3	6	66.7
TW_BT	Odd Letter Triples with BT	9	3	33.3	6	66.7
MISSING_HB_SEP	Missing blank line between message header and body	9	8	88.9	1	11.1
MY_CID_FONT	SARE cid and empty font	9	3	33.3	6	66.7
TW_SF	Odd Letter Triples with SF	9	7	77.8	2	22.2
TW_HD	Odd Letter Triples with HD	9	3	33.3	6	66.7
TW_PL	Odd Letter Triples with PL	9	3	33.3	6	66.7
TW_SL	Odd Letter Triples with SL	9	3	33.3	6	66.7
HELO_LH_HOME		9	0	0	9	100
HEADER_COUNT_CTYPE	Multiple Content-Type headers found	9	0	0	9	100
TW_LH	Odd Letter Triples with LH	9	0	0	9	100
SARE_ADLTSUB1	Contains OBFU and "strong" adult words	9	0	0	9	100
DOS_OUTLOOK_TO_MX		9	3	33.3	6	66.7
SARE_EN_A_3XX_1	Phone number or address pulled from spam	9	0	0	9	100
TW_GL	Odd Letter Triples with GL	9	2	22.2	7	77.8
KAM_GOVT		9	0	0	9	100
FS_EJACULA		9	0	0	9	100
SARE_LWCURTRADE		9	2	22.2	7	77.8
MORE_SEX	Talks about a bigger drive for sex	9	3	33.3	6	66.7
RCVD_BAD_ID		9	0	0	9	100
TW_WB	Odd Letter Triples with WB	9	3	33.3	6	66.7
TW_QU	Odd Letter Triples with QU	9	2	22.2	7	77.8
BANKING_LAWS		9	0	0	9	100
FH_HELO_ALMOST_IP		9	0	0	9	100
TW_QI	Odd Letter Triples with QI	9	2	22.2	7	77.8
FH_DATE_IS_19XX		8	0	0	8	100
SARE_RMML_Stock17		8	7	87.5	1	12.5
TW_WR	Odd Letter Triples with WR	8	2	25	6	75
FRT_OPPORTUN2		8	2	25	6	75
FUZZY_OBLIGATION	Attempt to obfuscate words in spam	8	0	0	8	100
FS_LOW_RATES		8	8	100	0	0
XMAILER_MIMEOLE_OL_22B61		8	0	0	8	100
TW_OC	Odd Letter Triples with OC	8	3	37.5	5	62.5
DRUGS_DIET	Refers to a diet drug	8	1	12.5	7	87.5
TW_MG	Odd Letter Triples with MG	8	4	50	4	50
TW_GG	Odd Letter Triples with GG	8	4	50	4	50
TW_ZL	Odd Letter Triples with ZL	8	1	12.5	7	87.5
TW_BK	Odd Letter Triples with BK	8	5	62.5	3	37.5
TW_VD	Odd Letter Triples with VD	8	3	37.5	5	62.5
TW_KS	Odd Letter Triples with KS	8	3	37.5	5	62.5
SPOOF_COM2OTH	URI contains ".com" in middle	8	1	12.5	7	87.5
TW_YK	Odd Letter Triples with YK	8	2	25	6	75
SARE_COLLEGE_SCAM	Tries to sell you a "degree"	8	0	0	8	100
SARE_SPOOF_COM2COM	a.com.b.com	8	1	12.5	7	87.5
DYN_RDNS_SHORT_HELO_HTML		8	1	12.5	7	87.5
FB_INCREASE_YOUR		8	1	12.5	7	87.5
FS_LOWER_YOUR		8	2	25	6	75

TW_IU	Odd Letter Triples with IU	8	2	25	6	75
TW_BH	Odd Letter Triples with BH	8	3	37.5	5	62.5
TW_LN	Odd Letter Triples with LN	8	3	37.5	5	62.5
TW_GU	Odd Letter Triples with GU	7	0	0	7	100
SARE_CHILDPRN1	contains reference to child porn	7	7	100	0	0
DC_IMAGE_SPAM_HTML		7	0	0	7	100
SARE_OBFUSEXUAL	masked spam word(s)	7	0	0	7	100
TW_AZ	Odd Letter Triples with AZ	7	0	0	7	100
TW_SW	Odd Letter Triples with SW	7	0	0	7	100
TW_WK	Odd Letter Triples with WK	7	1	14.3	6	85.7
TW_DG	Odd Letter Triples with DG	7	1	14.3	6	85.7
DATE_IN_FUTURE_24_48	Date: is 24 to 48 hours after Received: date	7	1	14.3	6	85.7
TW_KH	Odd Letter Triples with KH	7	2	28.6	5	71.4
KAM_REFI		7	1	14.3	6	85.7
TW_FM	Odd Letter Triples with FM	7	1	14.3	6	85.7
TW_MT	Odd Letter Triples with MT	7	1	14.3	6	85.7
TW_ML	Odd Letter Triples with ML	7	1	14.3	6	85.7
KAM_BACK		7	1	14.3	6	85.7
TW_RR	Odd Letter Triples with RR	7	1	14.3	6	85.7
TW_DY	Odd Letter Triples with DY	7	1	14.3	6	85.7
TW_MF	Odd Letter Triples with MF	7	1	14.3	6	85.7
BASE64_LENGTH_79_INF		7	7	100	0	0
SARE_BETTERSEX	Spammer phrasing in body of email	7	1	14.3	6	85.7
TW_WP	Odd Letter Triples with WP	7	1	14.3	6	85.7
TW_NZ	Odd Letter Triples with NZ	7	1	14.3	6	85.7
TW_WL	Odd Letter Triples with WL	7	2	28.6	5	71.4
TW_TL	Odd Letter Triples with TL	7	2	28.6	5	71.4
TVD_STOCK1		7	6	85.7	1	14.3
TW_TR	Odd Letter Triples with TR	7	3	42.9	4	57.1
TW_WF	Odd Letter Triples with WF	7	2	28.6	5	71.4
SARE_UNQTBIZ	Talks about unique business	7	3	42.9	4	57.1
SARE_BAYES_6x6	Bayes poison 6x6	7	7	100	0	0
TW_LV	Odd Letter Triples with LV	7	3	42.9	4	57.1
TW_SD	Odd Letter Triples with SD	7	4	57.1	3	42.9
SARE_XPNDMRKT	Talks about expanding your market	7	5	71.4	2	28.6
WHOIS_CONTACTPRIV		7	7	100	0	0
MISSING_MID		7	6	85.7	1	14.3
TW_FP	Odd Letter Triples with FP	7	3	42.9	4	57.1
SUBJ_RE_NUM		7	6	85.7	1	14.3
TVD_FUZZY_SYMBOL		7	5	71.4	2	28.6
FUZZY_MONEY	Attempt to obfuscate words in spam	7	3	42.9	4	57.1
SARE_FORGED_PAYPAL_C	Has Paypal from, no Paypal received header.	7	5	71.4	2	28.6
TW_IH	Odd Letter Triples with IH	7	3	42.9	4	57.1
TW_ZS	Odd Letter Triples with ZS	7	2	28.6	5	71.4
SARE_LWSHARES		7	5	71.4	2	28.6
TW_BW	Odd Letter Triples with BW	7	1	14.3	6	85.7
SARE_UNSUB18B		6	6	100	0	0
FM_VEGAS_CASINO		6	6	100	0	0
FM_SCHOOLING		6	4	66.7	2	33.3
TW_UK	Odd Letter Triples with UK	6	3	50	3	50
TW_KU	Odd Letter Triples with KU	6	1	16.7	5	83.3
TW_GY	Odd Letter Triples with GY	6	1	16.7	5	83.3
TW_XC	Odd Letter Triples with XC	6	0	0	6	100
TW_MD	Odd Letter Triples with MD	6	0	0	6	100
RCVD_IN_IADB_UT_CPEAR		6	6	100	0	0
TW_LZ	Odd Letter Triples with LZ	6	0	0	6	100
RCVD_IN_IADB_MI_CPEAR		6	6	100	0	0
SPOOF_COM2COM	URI contains ".com" in middle and end	6	0	0	6	100
FH_DATE_PAST_20XX		6	0	0	6	100
TW_DD	Odd Letter Triples with DD	6	3	50	3	50
SARE_SPEC_LEO_LINE03b		6	6	100	0	0
SARE_OEM_OBFU	Obfuscated OEM terms	6	6	100	0	0
TW_HN	Odd Letter Triples with HN	6	5	83.3	1	16.7

WHOIS_WHOISGUARD		6	5 83.3	1 16.7
SARE_UNR		6	4 66.7	2 33.3
TW_PH	Odd Letter Triples with PH	6	4 66.7	2 33.3
SARE_SPOOF_COM2OTH	a.com.b.c	6	0 0	6 100
TW_EH	Odd Letter Triples with EH	6	3 50	3 50
TVD_RCVD_SINGLE		6	3 50	3 50
LONGWORDS	Long string of long words	6	1 16.7	5 83.3
TW_FR	Odd Letter Triples with FR	6	1 16.7	5 83.3
SARE_OBFU_PRESENTLY	found apparent obfuscation of word used in spam	6	1 16.7	5 83.3
SARE_LWFORWARD		6	2 33.3	4 66.7
FH_HOST_EQ_PACBELL_D		6	3 50	3 50
RCVD_HELO_IP_MISMATCH	Received: HELO and IP do not match, but should	6	3 50	3 50
TW_SB	Odd Letter Triples with SB	6	3 50	3 50
TW_TZ	Odd Letter Triples with TZ	6	1 16.7	5 83.3
LOTTERY_1		6	0 0	6 100
TW_XY	Odd Letter Triples with XY	6	0 0	6 100
SUBJECT_DRUG_GAP_X	Subject contains a gappy version of 'xanax'	6	0 0	6 100
SARE_QLTYSINGLES	Contains phrasing seen in spam	6	0 0	6 100
SARE_LWPINK		6	0 0	6 100
EXCUSE_24	Claims you wanted this ad	6	0 0	6 100
FRT_SEXUAL		6	0 0	6 100
TW_SK	Odd Letter Triples with SK	6	1 16.7	5 83.3
TW_IF	Odd Letter Triples with IF	6	1 16.7	5 83.3
TW_CF	Odd Letter Triples with CF	6	2 33.3	4 66.7
SARE_LWSKY		6	4 66.7	2 33.3
SARE_BAYES_6x7	Bayes poison 6x7	5	5 100	0 0
SARE_SUPERVIAGRA	mentions drug which is often subject of spam	5	0 0	5 100
TW_HS	Odd Letter Triples with HS	5	1 20	4 80
SARE_OBFUMONEY2	masked spam word(s)	5	3 60	2 40
X_IP	Message has X-IP header	5	3 60	2 40
URI_UNSUBSCRIBE	URI contains suspicious unsubscribe link	5	0 0	5 100
SARE_BOUNDARY_03		5	0 0	5 100
TW_ZY	Odd Letter Triples with ZY	5	1 20	4 80
SB_GIF_AND_NO_URIS		5	5 100	0 0
FROM_DOMAIN_NOVOWEL	From: domain has series of non-vowel letters	5	1 20	4 80
SARE_SPEC_PROLEO_M2		5	2 40	3 60
CG_CANON_JPG		5	3 60	2 40
GMD_PDF_ENCRYPTED		5	5 100	0 0
FRT_TODAY2		5	2 40	3 60
SARE_FORGED_PAYPAL	Message appears to be forged, (paypal.com)	5	4 80	1 20
TW_RG	Odd Letter Triples with RG	5	3 60	2 40
FRT_ROLEX		5	2 40	3 60
SARE_SPEC_ROLEX_NOV5A		5	2 40	3 60
KAM_GEO_STRING2		5	2 40	3 60
TW_LB	Odd Letter Triples with LB	5	2 40	3 60
SARE_RECV_IP_061172		5	0 0	5 100
RATWARE_RCVD_PF	Bulk email fingerprint (Received PF) found	5	0 0	5 100
TW_TD	Odd Letter Triples with TD	5	0 0	5 100
SARE_SUBSTOCK	Stock Market Spam	5	2 40	3 60
TW_CR	Odd Letter Triples with CR	5	0 0	5 100
HELO_DYNAMIC_DIALIN	Relay HELO'd using suspicious hostname (T-Dialin)	5	0 0	5 100
TW_AJ	Odd Letter Triples with AJ	5	1 20	4 80
HTML_SHORT_CENTER	HTML is very short with CENTER tag	5	0 0	5 100
TW_YR	Odd Letter Triples with YR	5	0 0	5 100
FB_EXTRA_INCHES		5	0 0	5 100
STRONG_BUY	Tells you about a strong buy	5	1 20	4 80
TW_DC	Odd Letter Triples with DC	5	2 40	3 60
TW_RK	Odd Letter Triples with RK	5	2 40	3 60
SARE_RD_FROM_IP		5	2 40	3 60
TW_VS	Odd Letter Triples with VS	5	2 40	3 60
TW_GR	Odd Letter Triples with GR	5	2 40	3 60
SARE_SCHLGRL	mentions schoolgirls, as in porn	5	3 60	2 40
SARE_RAND_2		4	4 100	0 0

SARE_OBFU_SPLIT_HR1	unescaped cr in uri	4	4	100	0	0
SARE_BEASTUD	common spammer phrasing	4	4	100	0	0
SARE_SPEC_ROLEX_NOV5E		4	4	100	0	0
TW_EP	Odd Letter Triples with EP	4	0	0	4	100
TW_RL	Odd Letter Triples with RL	4	0	0	4	100
SARE_URI_SEABOURN		4	4	100	0	0
STOCK_NAME_FVGT1		4	0	0	4	100
FORGED_MUA_THEBAT_CS	Mail pretending to be from The Bat! (charset)	4	4	100	0	0
FRT_PRICE		4	4	100	0	0
SARE_BAYES_7x8	Bayes poison 7x8	4	4	100	0	0
SARE_UNSUB30A		4	0	0	4	100
DNS_FROM_RFC_BOGUSMX	Envelope sender in bogusmx.rfc-ignorant.org	4	0	0	4	100
SARE_OBFUENLARGE	masked spam word(s)	4	0	0	4	100
DATE_SPAMWARE_Y2K	Date header uses unusual Y2K formatting	4	4	100	0	0
FB_ALMOST_SEX		4	1	25	3	75
TW_LP	Odd Letter Triples with LP	4	0	0	4	100
TW_CY	Odd Letter Triples with CY	4	2	50	2	50
XMAILER_MIMEOLE_OL_8627E		4	0	0	4	100
SARE_RAND_1		4	4	100	0	0
FS_WILL_HELP		4	0	0	4	100
HS_DRUG_DOLLAR_1		4	4	100	0	0
SARE_UNSUB28		4	3	75	1	25
TW_VY	Odd Letter Triples with VY	4	0	0	4	100
TW_HM	Odd Letter Triples with HM	4	1	25	3	75
TW_NF	Odd Letter Triples with NF	4	1	25	3	75
FM_DOESNT_SAY_STOCK		4	1	25	3	75
TW_DM	Odd Letter Triples with DM	4	1	25	3	75
WHOIS_MONIKER_PRIV		4	2	50	2	50
FM_PORN_A_4		4	3	75	1	25
SARE_NETPROD	Phrase, Internet Product.	4	3	75	1	25
SARE_STILLSINGLE	Contains phrasing used by spammers	3	0	0	3	100
SARE_FORGED_CAPITAL		3	0	0	3	100
FS_CHEAP_CAP		3	2	66.7	1	33.3
FRT_VALIUM2		3	2	66.7	1	33.3
SARE_BAYES_7x6	Bayes poison 7x6	3	3	100	0	0
TW_UG	Odd Letter Triples with UG	3	0	0	3	100
SARE_EN_N_888_1	Phone number or address pulled from spam	3	0	0	3	100
TW_OK	Odd Letter Triples with OK	3	0	0	3	100
FH_RE_NEW_DDD		3	3	100	0	0
SARE_ADLTDATING	Contains phrasing used by spammers	3	1	33.3	2	66.7
SARE_OEM_PRODS_FEW		3	3	100	0	0
FH_HAS_XAIMC		3	0	0	3	100
XMAILER_MIMEOLE_OL_A50F8		3	0	0	3	100
OBFUSCATING_COMMENT	HTML comments which obfuscate text	3	3	100	0	0
WHOIS_SECUREWHOIS		3	2	66.7	1	33.3
SARE_BAYES_7x7	Bayes poison 7x7	3	3	100	0	0
GMD_AUTHOR_HPADMIN		3	3	100	0	0
SARE_SPEC_SPAMARREST		3	3	100	0	0
SARE_RECV_IP_222032		3	0	0	3	100
SARE_LWEMERGE		3	2	66.7	1	33.3
TW_CS	Odd Letter Triples with CS	3	0	0	3	100
NO_RDNS_DOTCOM_HELO	Host HELO'd as a big ISP, but had no rDNS	3	3	100	0	0
SARE_OBFU_ONLINE_SUB	subject has obfuscated spammer topic	3	0	0	3	100
DRUG_DOSAGE	Talks about price per dose	3	2	66.7	1	33.3
TW_SY	Odd Letter Triples with SY	3	2	66.7	1	33.3
DRUG_ED_SILD	Talks about an E.D. drug using its chemical name	3	0	0	3	100
SARE_SUB_MULTI_PRN2		3	0	0	3	100
FS_OBFU_PRMCY		3	0	0	3	100
SARE_CSTRADE5	STOCK Attachments.	3	2	66.7	1	33.3
HELO_LOCALHOST		3	0	0	3	100
FB_DOUBLE_OWORDS		3	0	0	3	100
TW_NK	Odd Letter Triples with NK	3	0	0	3	100
TW_CC	Odd Letter Triples with CC	3	0	0	3	100

KAM_SKIN		3	0	0	3	100
TW_OG	Odd Letter Triples with OG	3	0	0	3	100
SARE_NONACCRED	Talks about a non-accredited something	3	0	0	3	100
SARE_RD_AOL		3	1	33.3	2	66.7
TW_MN	Odd Letter Triples with MN	3	1	33.3	2	66.7
FRT_DISCOUNT		3	1	33.3	2	66.7
SARE_SPEC_ROLEX_BUY		3	1	33.3	2	66.7
TW_OY	Odd Letter Triples with OY	3	1	33.3	2	66.7
TW_MB	Odd Letter Triples with MB	3	2	66.7	1	33.3
LONG_TERM_PRICE		3	2	66.7	1	33.3
HTTPS_IP_MISMATCH	IP to HTTPS link found in HTML	3	2	66.7	1	33.3
DRUGS_HDIA		2	0	0	2	100
FB_PENIS		2	0	0	2	100
TW_CM	Odd Letter Triples with CM	2	0	0	2	100
SARE_SPEC_LEO_BORD		2	2	100	0	0
SPF_NEUTRAL	SPF: sender does not match SPF record (neutral)	2	0	0	2	100
SARE_UNQ		2	2	100	0	0
SARE_VALOFFR	Talks about valuable offers.	2	0	0	2	100
FORGED_MUA_MOZILLA	Forged mail pretending to be from Mozilla	2	0	0	2	100
BOTNET_OCNNEJP		2	0	0	2	100
SPF_SOFTFAIL	SPF: sender does not match SPF record (softfail)	2	0	0	2	100
REFINANCE_YOUR_HOME	Home refinancing	2	2	100	0	0
FH_FROM_HOODIA		2	0	0	2	100
SARE_RAND_BD4		2	0	0	2	100
TW_FT	Odd Letter Triples with FT	2	0	0	2	100
SARE_FORGED_WESTERN		2	0	0	2	100
CTYPE_8SPACE_GIF		2	2	100	0	0
SARE_SPEC_ROLEX_HIQLT		2	2	100	0	0
FR_ALMOST_VIAG2		2	0	0	2	100
SARE_EN_N_866_1	Phone number or address pulled from spam	2	0	0	2	100
FM_SCHOOL_TYPES		2	0	0	2	100
FU_COMMON_SUBS2		2	2	100	0	0
FM_VIAGRA_SPAM1114		2	2	100	0	0
SARE_RECV_IP_219159		2	0	0	2	100
MSGID_DOLLARS_RANDOM		2	0	0	2	100
SARE_SUBJ_SLUT		2	2	100	0	0
SARE_EN_N_2XX_1	Phone number or address pulled from spam	2	0	0	2	100
KAM_GRASS		2	0	0	2	100
TW_RP	Odd Letter Triples with RP	2	0	0	2	100
SARE_PRODUCTS_02		2	2	100	0	0
FRT_GUARANTEE1		2	0	0	2	100
HTML_OBFUSCATE_30_40	Message is 30% to 40% HTML obfuscation	2	2	100	0	0
SARE_OEM_MONEY_WIN		2	2	100	0	0
DNS_FROM_RFC_DSN	Envelope sender in dsn.rfc-ignorant.org	2	0	0	2	100
TW_LC	Odd Letter Triples with LC	2	0	0	2	100
FUZZY_GUARANTEE	Attempt to obfuscate words in spam	2	0	0	2	100
SARE_SUB_ONLINE_DRUG		2	0	0	2	100
KAM_VIAGRA3		2	1	50	1	50
FM_MORTGAGE5PLUS		2	1	50	1	50
FS_REPLICA		2	1	50	1	50
SARE_SPEC_LRD_COST_M1		2	2	100	0	0
FRT_SYMBOL		2	2	100	0	0
SARE_UNSUB16		2	2	100	0	0
SARE_SUB_REPRESENT_REQ		2	1	50	1	50
SARE_SEXENHANCER	mentions spam topic	2	0	0	2	100
SARE_FORGED_USBANK		2	1	50	1	50
KAM_MOVIE		2	0	0	2	100
SARE_ADLTSUB4	Apparent spam seems to contain porn subject	2	0	0	2	100
FM_SCHOOL_DIPLOMA		2	0	0	2	100
HELO_LH_LD		2	0	0	2	100
FB_COMPANY		2	2	100	0	0
FB_LOWER_PAYM		2	2	100	0	0
KAM_SEX04_2		2	0	0	2	100

FS_ERECTION		2	1	50	1	50
TW_FL	Odd Letter Triples with FL	2	1	50	1	50
FB_NUMYO		2	2	100	0	0
FB_CAN_LONGER		2	2	100	0	0
HTML_MISSING_CTYPE	Message is HTML without HTML Content-Type	2	2	100	0	0
ROUND_THE_WORLD_LOCAL	Received: says mail sent around the world (HELO)	2	2	100	0	0
SARE_OBFUFCK2	Apparent spam seems to contain porn subject	2	2	100	0	0
TW_HR	Odd Letter Triples with HR	2	1	50	1	50
TW_LK	Odd Letter Triples with LK	2	1	50	1	50
TVD_EB_PHISH		1	0	0	1	100
SARE_RMML_Stock22		1	0	0	1	100
KAM_GOOGLE_STRING		1	1	100	0	0
KAM_INK		1	0	0	1	100
FS_TIP_DDD		1	1	100	0	0
FM_FAKE_HELO_VERIZON		1	0	0	1	100
KAM_MX2		1	0	0	1	100
KAM_COMPANY3		1	0	0	1	100
SARE_FORGED_EBAY	Message appears to be forged, (ebay.com)	1	0	0	1	100
SARE_OBFU_PENIS_SUB	subject has obfuscated spammer topic	1	0	0	1	100
SUBJECT_FUZZY_PENIS	Attempt to obfuscate words in Subject:	1	0	0	1	100
FM_MULTI_LUX_GIFTS		1	1	100	0	0
VBOUNCE_MESSAGE		1	1	100	0	0
SARE_LWDRIVE		1	1	100	0	0
RCVD_IN_SORBS_HTTP	SORBS: sender is open HTTP proxy server	1	0	0	1	100
SUBJECT_FUZZY_VPILL	Attempt to obfuscate words in Subject:	1	0	0	1	100
FROM_ILLEGAL_CHARS	From: has too many raw illegal characters	1	0	0	1	100
SARE_HTML_LINKWARN		1	0	0	1	100
SARE_SPEC_DIPLOMA		1	0	0	1	100
FORGED_MSGID_EXCITE	Message-ID is forged, (excite.com)	1	0	0	1	100
SARE_UNSUB14		1	1	100	0	0
CONFIRMED_FORGED	Received headers are forged	1	0	0	1	100
SARE_RAND_URI2		1	0	0	1	100
MIME_BAD_ISO_CHARSET	MIME character set is an unknown ISO charset	1	1	100	0	0
KAM_INSURE		1	0	0	1	100
FM_SEX_HELODDDD		1	0	0	1	100
SARE_MLH_Stock9	Do I have your attention?	1	0	0	1	100
KAM_FOOT		1	0	0	1	100
FUZZY_PRICES	Attempt to obfuscate words in spam	1	0	0	1	100
SARE_RPTLETTERS	Contains mis-spelled adult phrase(s)	1	1	100	0	0
SARE_MLH_Stock10	Yup, it's bull alright.	1	1	100	0	0
STOCK_ALERT	Offers a alert about a stock	1	1	100	0	0
FUZZY_MILLION	Attempt to obfuscate words in spam	1	0	0	1	100
FAKE_HELO_MAIL_COM	Host HELO did not match rDNS: mail.com	1	0	0	1	100
RCVD_MAIL_COM		1	0	0	1	100
SARE_HEAD_HDR_XRMVADR		1	1	100	0	0
SARE_HEAD_HDR_XRSPRID		1	1	100	0	0
RCVD_IN_IADB_DOPTIN		1	1	100	0	0
HDR_ORDER_FTSDMCXX_001C		1	1	100	0	0
XMAILER_MIMEOLE_OL_07794		1	1	100	0	0
SARE_SUB_LIKE_YOU		1	0	0	1	100
FRAGMENTED_MESSAGE	Partial message	1	1	100	0	0
DYN_RDNS_SHORT_HELO_IMAGE		1	0	0	1	100
CUM_SHOT	Possible porn - Cum Shot	1	0	0	1	100
FRT_STRONG2		1	0	0	1	100
WHOIS_REGISTER4LESS		1	1	100	0	0
FB_GVR		1	0	0	1	100
FM_PORN_A_5		1	0	0	1	100
SARE_SUB_CASINO_BONUS		1	1	100	0	0
TVD_SPACED_SUBJECT_WORD3		1	1	100	0	0
CURR_PRICE		1	0	0	1	100
SARE_RAND_5		1	0	0	1	100
SARE_HEXOCTDWORD		1	0	0	1	100
WHOIS_WHOISPROT		1	1	100	0	0

SARE_SUB_NO_RX		1	0	0	1	100
MULTIPART_ALT_NON_TEXT		1	0	0	1	100
SARE_UNE		1	0	0	1	100
SARE_OEM_REDPR	Mentions lower prices	1	1	100	0	0
FRT_WEIGHT2		1	0	0	1	100
FORGED_MSGID_AOL	Message-ID is forged, (aol.com)	1	1	100	0	0
URIBL_RED		1	0	0	1	100
TW_RB	Odd Letter Triples with RB	1	1	100	0	0
SARE_RECV_IP_221000		1	0	0	1	100
FORGED_MUA_OIMO	Forged mail pretending to be from MS Outlook IMO	1	0	0	1	100
SARE_UNP		1	1	100	0	0
FUZZY_ERECT	Attempt to obfuscate words in spam	1	0	0	1	100
CG_SONY_JPG		1	1	100	0	0
GMD_PDF_STOX_M3		1	1	100	0	0
RCVD_IN_SORBS SOCKS	SORBS: sender is open SOCKS proxy server	1	0	0	1	100
SARE_BADGIRLS	Contains phrasing used by spammers	1	1	100	0	0
FB_PIPE DOLLAR		1	0	0	1	100
SARE_RAND_6		1	0	0	1	100
FH_HELO_ENDS_DOT		1	0	0	1	100
MALE_ENHANCE	Message talks about enhancing men	1	1	100	0	0
SARE_OEM_BRC	OEM in braces	1	0	0	1	100
GMD_PDF_VERT		1	1	100	0	0
TVD_DEAR_HOMEOWNER		1	1	100	0	0
OBSCURED_EMAIL	Message seems to contain rot13ed address	1	1	100	0	0
FB_QUALITY_REPLICA		1	0	0	1	100
KAM_SANTA		1	0	0	1	100
SARE_LRGPNs	Talks about a "bigger" appendage	1	1	100	0	0
RCVD_FAKE_HELO_DOTCOM	Received contains a faked HELO hostname	1	1	100	0	0
SARE_URI_HEX32		1	1	100	0	0
TVD_RCVD_IP4		1	0	0	1	100