

A novel signal detection algorithm for identifying hidden drug-drug interactions in adverse event reports

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## Supplemental Material

**Table S1** Novel drug-drug interaction predictions for cholesterol related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
19	DICLOFENAC SODIUM	IMMUCYST	10.963998133	1670	
23	DACTINOMYCIN	VINCRISTINE SULFATE	8.0782106128	130	
32	LEUPROLIDE ACETATE	ZOMETA	5.4249893872	44	
35	RAPTIVA	SORIATANE	5.4249893872	309	
52	CHANTIX	MOTRIN	3.58595	2106	
53	FOSAMAX	ZETIA	3.58595	1323	
63	AVASTIN	DOXORUBICIN HCL	2.61108109	2411	
69	ARICEPT	ZOLOFT	2.1595157296	2600	
80	LANTUS	NPH INSULIN	1.3925125	976	
92	EFFEXOR	LORAZEPAM	0.6613608175	1799	
87	ACTONEL	NEXIUM	0.6613608175	2898	
89	AVONEX	LASIX	0.6613608175	2366	
90	CHANTIX	PREVACID	0.6613608175	2102	
93	KEPPRA	VALPROIC ACID	0.6009942112	1035	
94	PAROXETINE HCL	RISPERDAL	0.6009942112	123	SIGNIFICANT
102	CITALOPRAM HYDROBROMIDE	RISPERDAL	0.1186106128	2048	
103	LAMICTAL	LEVETIRACETAM	0.1186106128	1013	
105	TEGRETOL	VALPROATE SODIUM	0.1186106128	128	
107	IBUPROFEN	LYRICA	0.07645	1257	

**Table S2** Novel drug-drug interaction predictions for depression related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
14	THEOPHYLLINE	TRAMADOL HCL	25.279159036	19	
19	MODAFINIL	XYREM	23.698738925	20	
41	TEGRETOL-XR	TOPAMAX	14.2336125	151	
75	LORAZEPAM	RISPERDAL	7.3862523656	169	
91	HYDROCODONE	ASPIRIN	6.0242874525	2933	

**Table S2** Novel drug-drug interaction predictions for depression related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
95	ALPRAZOLAM	TRAZODONE HCL	5.7345792775	2704	
100	METHOTREXATE	ZOFRAN	5.5247	135	
125	CLOZAPINE	RISPERDAL CONSTA	4.2096	1962	
165	DIAZEPAM	METHADONE HCL	2.5778852165	177	
173	ALPRAZOLAM	METHADOSE	2.35472763	192	
197	ASPIRIN	BUPROPION HCL	1.67875	2568	
198	IBUPROFEN	VALPROIC ACID	1.67875	1118	
212	CLONAZEPAM	METHADONE HCL	1.2731707225	1984	
274	LEVOTHYROXINE SODIUM	METFORMIN HCL	0.1001339564	937	

**Table S3** Novel drug-drug interaction predictions for diabetes related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
38	PAROXETINE HCL	PRAVASTATIN SODIUM	11.351896014	62	
72	DIOVAN HCT	HYDROCHLOROTHIAZID E	7.1786599539	89	
94	CRESTOR	PREVACID	4.7923771645	148	
107	DEFERAL	EXJADE	3.97220625	129	
159	COUMADIN	VESICARE	0.8928376683	169	
160	DEXAMETHASO NE	THALIDOMIDE	0.8928376683	168	CRITICAL
170	FOSAMAX	VOLTAREN	0.5033125	1138	
175	ALIMTA	DEXAMETHASONE	0.2442375	197	

**Table S4** Novel drug-drug interaction predictions for hepatotoxicity related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
1	BRICANYL	IRESSA	30.761919838	2150	
2	FOSAMAX	PREMPRO	25.8265	33	
4	CITALOPRAM HYDROBROMIDE	NORDETTE-28	17.7273	6	
16	AVASTIN	DOXORUBICIN HCL	6.0833024736	155	
18	AMLODIPINE	NORVASC	5.6936	26	

**Table S4** Novel drug-drug interaction predictions for hepatotoxicity related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
28	ARELIA	THALOMID	3.9458934999	2448	
56	GLUCOPHAGE	GLYBURIDE	1.78216407	1185	
57	FLUOROURACIL	METHOTREXATE	1.7645512368	225	
72	FEMARA	TAMOXIFEN CITRATE	1.216875	196	
89	CANCIDAS	ZOSYN	0.7601349905	2105	
92	TEGRETOL	ZYPREXA	0.6264111051	197	
112	LETROZOLE	ZOMETA	0.0342	916	

**Table S5** Novel drug-drug interaction predictions for hypertension related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
11	ACCUTANE	ERYTHROMYCIN	12.9441280575	13	
20	HUMALOG	ILETIN	8.3583828939	41	
22	ACETAMINOPHEN	SERTRALINE	7.9111099109	2958	
24	FOSAMAX	PEPCID	7.6857867497	42	
26	PIROXICAM	SULFASALAZINE	7.4749	456	
28	PAROXETINE HCL	PRAVASTATIN SODIUM	6.9026972967	518	
31	MEDROL	PROGRAF	6.1304	823	
32	CERVIDIL	TERBUTALINE SULFATE	6.1304	2273	
37	ACETYLSALICYLIC ACID SRT	SIMVASTATIN	5.7928886426	2947	
39	AVANDIA	LOTREL	5.5195654559	2543	
40	ALEVE	PRILOSEC	5.4928030336	2821	
45	CARBOPLATIN	DOXORUBICIN HCL	4.9343323583	2346	
48	BOTULISM AB	BOTULISM ANTITOXIN ABE	4.6644008822	215	
53	ALTACE	LIPITOR	4.4918185151	124	
59	HYDROMORPHONE HCL	PRIALT	4.13405	66	
62	ACCUTANE	ZITHROMAX	3.87282274559	73	

**Table S4** Novel drug-drug interaction predictions for hepatotoxicity related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
73	AUGMENTIN '125'	CLARITHROMYCIN	3.128437679	2663	8
77	CERVIDIL	PITOCIN	2.789003341	2274	4
81	NORVASC	TENORMIN	2.719025	109	
83	ALBUTEROL	AVONEX	2.580620864	140	2
88	DOCETAXEL	HERCEPTIN	2.3783492	1769	
91	ALBUTEROL	PULMICORT FLEXHALER	2.09677	92	
94	ALPRAZOLAM	METHADONE HCL	2.001612170	98	2
95	ACCUTANE	RITALIN	1.9878	2997	
101	CRESTOR	DIOVAN HCT	1.712472289	106	1
105	OXYCODONE HCL	ALPRAZOLAM	1.525795894	150	
113	LEVOTHYROXINE SODIUM	SIMVASTATIN	1.363038485	118	3
125	PAXIL	ROCEPHIN	0.985829767	318	3
130	GENOTROPIN	SYNTHROID	0.901193534	1368	3
131	NEUPOGEN	PROCRIT	0.874902370	411	44
133	LANSOPRAZOLE	WARFARIN SODIUM	0.815145409	1050	
134	LETAIRIS	REVATIO	0.795225066	243	
144	COUMADIN	EVISTA	0.367475800	2066	2
149	PHENYTOIN	TOPAMAX	0.310245082	233	8
158	HUMIRA	OMEPRAZOLE	0.107849883	415	2

**Table S6** Novel drug-drug interaction predictions for liver dysfunction related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
2	LAMOTRIGINE	XENICAL	40.95530625	9	
4	DILANTIN	ZOLOFT	25.0606371418	8	
7	DILANTIN	REBIF	22.084656827	21	
8	EFFEXOR XR	VIOXX	20.364175	29	
10	METRONIDAZOLE	PIPERACILLIN	17.9636	760	
14	AVONEX	LASIX	15.0088097365	2303	

**Table S4** Novel drug-drug interaction predictions for hepatotoxicity related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
15	DIGOXIN	MICARDIS	14.6523529501	98	
21	CANCIDAS	ZOSYN	10.4876741426	2156	
35	KEPPRA	ZONEGRAN	6.8451109129	59	
41	NEUPOGEN	PROCRIT	5.74396335065	46	
44	LANTUS	NPH INSULIN	5.149375	132	
92	CYLERT	PAXIL	1.7942987681	1780	
106	AVANDAMET	GLYBURIDE	1.1169944188	489	
108	LOTENSIN	VIOXX	1.0784714651	112	
117	BEXTRA	METHOTREXATE	0.8422125	307	
118	LAMOTRIGINE	NEURONTIN	0.8359408902	121	
133	DIAZEPAM	HYDROCODONE	0.5624	1669	
136	AMLODIPINE BESYLATE	DIOVAN	0.5197505716	482	
139	ABRAXANE	HERCEPTIN	0.4040597365	2837	
141	FEIBA VH IMMUNO	NOVOSEVEN	0.4040597365	1447	
142	GLYBURIDE	LEVAQUIN	0.4040597365	1246	SIGNIFICANT
148	FLEXERIL	ULTRAM	0.3130618894	1416	
153	DOXYCYCLINE	ORTHO EVRA	0.2318760588	1593	
160	BEXTRA	ZETIA	0.0889525897	2222	

**Table S7** Novel drug-drug interaction predictions for renal impairment related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
5	GLEEVEC	INSULIN	18.288155607	1429	
			3		
6	AUGMENTIN	CLARITHROMYCIN	18.159991735	2801	
7	ACCUTANE	ZITHROMAX	17.907911543	25	
			1		
15	AVANDIA	REGULAR INSULIN	9.6486	2760	
16	ONCASPAR	VINCRISTINE	8.6471988948	572	
			5		
18	PREDNISOLONE ACETATE	PROGRAF	8.4705664131	25	
26	SOLU-MEDROL	THYMOGLOBULIN	6.2129886087	216	
31	COUMADIN	TARCEVA	5.4942713451	2134	
32	AVANDAMET	AVANDIA	5.4920487133	216	
			2		
38	AVASTIN	HERCEPTIN	4.83876	2864	

**Table S4** Novel drug-drug interaction predictions for hepatotoxicity related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
55	COZAAR	HYZAAR	3.6161245389	2120	
56	SUTENT	TRAMADOL HCL	3.6161245389	194	
58	CHANTIX	LEVOTHYROXINE SODIUM	3.53851	2389	
59	PREDNISONE TAB	REVLIMID	3.5064475461	424	
60	AVANDIA	HUMALOG	3.4903	2771	
63	AVANDIA	VYTORIN	3.2942206401	2759	
70	HUMIRA	IMURAN	3.1692666951	1336	
71	EZETIMIBE	SIMVASTATIN	3.0644164854	1658	
78	ENBREL	MEDROL	2.7980011257	1755	
82	AVELOX	COUMADIN	2.6448246093	2721	SIGNIFICANT
83	LAMICTAL	VALIUM	2.5967655501	1114	
85	LEVAQUIN	PREDNISONE	2.5412245784	95	
91	IMITREX	PROZAC	2.3132258418	1237	SIGNIFICANT
92	ALLOPURINOL	TREANDA	2.2473746288	114	
94	DETROL LA	OXYBUTYNIN CHLORIDE	2.23515	1944	
102	AVANDARYL	AVANDIA	2.0596585878	2782	
107	IRINOTECAN HCL	MITOMYCIN	1.9767357021	187	
109	PROZAC	REMERON	1.9425494148	357	
111	AMOXICILLIN	LAMICTAL	1.9056368753	3116	
115	CLONAZEPAM	OLANZAPINE	1.74756	2260	
117	LIPITOR	MULTIVITAMIN	1.6155646347	1001	
118	AVANDIA	GLUCOTROL	1.5881971882	2774	
120	CLONAZEPAM	NEURONTIN	1.56408	2356	
122	ADVAIR DISKUS 100/50	PREDNISONE TAB	1.534981933	3252	
123	SUSTIVA	VIRAMUNE	1.4628875	195	
124	CLARITHROMYCIN	WARFARIN SODIUM	1.4485570095	2288	CRITICAL
126	CHANTIX	LYRICA	1.417525	2384	
129	IRINOTECAN HCL	VECTIBIX	1.3311505565	1188	
130	LIPITOR	OMEPRAZOLE	1.2983649519	997	
133	CYCLOSPORINE	PROGRAF	1.119712596	2046	SIGNIFICANT
136	CRESTOR	MICARDIS	0.9995799423	2096	

**Table S4** Novel drug-drug interaction predictions for hepatotoxicity related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
137	KEPPRA	ZONEGRAN	0.8844494928	1223	
138	AVELOX	SYNTHROID	0.8707954315	2710	
143	ASPIRIN	ORTHO EVRA	0.6989950879	3328	
144	AVONEX	PREDNISONE TAB	0.6656158008	2686	
151	PLAVIX	REOPRO	0.5932615431	452	
147	ALKERAN	PREDNISONE	0.5932615431	3133	
150	GLEEVEC	PREDNISOLONE	0.5932615431	1426	
153	GEODON	LEXAPRO	0.5077856210	177	
154	CLIMARA	SYNTHROID	0.4466721528	2277	SIGNIFICANT
155	EXCEDRIN	ORTHO EVRA	0.41796	1674	
157	PERMAX	SINEMET	0.3198375	462	
158	REVLIMID	WARFARIN SODIUM	0.2892945324	296	
165	FORTEO	HYDROCORTISONE	0.1823792278	1542	
166	INSULIN	LEVITRA	0.1823792278	1214	
171	AGGRENOX	PLAVIX	0.1273518372	3209	

**Table S8** Novel drug-drug interaction predictions for suicide related adverse events.

Rank	Drug A	Drug B	Score	Minimum Randomization Rank	Known DDI exists
19	NORCO	OXYCONTIN	15.4242800184	719	
28	LORCET-HD	OXYCONTIN	12.9194524588	142	
78	GEODON	KLONOPIN	3.9078199162	111	
111	CARISOPRODOL	OXYCODONE HCL	1.4658	2844	
123	OXYCONTIN	XANAX	1.02816987706	157	
134	CERVIDIL	TERBUTALINE SULFATE	0.4052	2755	
136	DIPROSONE	PROTOPIC	0.4052	2125	
137	ERYTHROMYCIN	PREDNISOLONE	0.4052	1962	
138	FLUOXETINE HCL	FOLIC ACID	0.4052	1813	
133	ASTELIN	LEVONORGESTREL	0.4052	3290	
145	SINGULAIR	SYNTHROID	0.20571855252	243	

**Table S9.** Features used in the cholesterol logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
MYALGIA	7.240E-05
RHABDOMYOLYSIS	9.694E-05
AMYOTROPHIC LATERAL SCLEROSIS	6.069E-04

**Table S10.** Features used in the depression logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
MYOCARDIAL INFARCTION	2.140E-07
COMPLETED SUICIDE	7.781E-07
SUICIDAL IDEATION	3.933E-06
AGITATION	1.111E-05
MATERNAL DRUGS AFFECTING FOETUS	3.308E-05
IRRITABILITY	3.736E-05
CEREBROVASCULAR ACCIDENT	5.965E-05
AGGRESSION	1.125E-04
OEDEMA PERIPHERAL	1.133E-04
INTENTIONAL OVERDOSE	1.373E-04
PAIN	1.622E-04
DYSPNOEA	3.782E-04
PREMATURE BABY	4.884E-04
DRUG WITHDRAWAL SYNDROME NEONATAL	6.648E-04
NEONATAL DISORDER	6.648E-04
CRYING	6.695E-04
SUICIDE ATTEMPT	7.435E-04
RENAL FAILURE	7.526E-04
ABDOMINAL PAIN UPPER	8.004E-04

**Table S11.** Features used in the diabetes logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
PYREXIA	2.534E-09
PAIN IN EXTREMITY	1.034E-06
HYPOGLYCAEMIA	1.412E-06
NAUSEA	5.690E-06
PAIN	8.332E-06
ANOREXIA	1.220E-05
PARAESTHESIA	1.456E-05
ABDOMINAL PAIN	1.868E-05
BLOOD GLUCOSE INCREASED	2.125E-05
DIARRHOEA	2.233E-05
HEART RATE INCREASED	2.534E-05
DRUG INTERACTION	2.698E-05
DEPRESSION	3.074E-05
CONDITION AGGRAVATED	3.345E-05

**Table S10.** Features used in the depression logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
BLOOD PRESSURE DECREASED	5.527E-05

**Table S12.** Features used in the hepatotoxicity logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
CARDIAC DISORDER	1.113E-04
HYPOAESTHESIA	1.734E-04
PAIN IN EXTREMITY	2.088E-04
MEDICATION ERROR	3.865E-04
THROMBOTIC THROMBOCYTOPENIC PURPURA	9.776E-04
PAIN	1.056E-03
LOSS OF CONSCIOUSNESS	1.521E-03
ANXIETY	1.816E-03
NEUTROPHIL COUNT DECREASED	1.953E-03
CHOLECYSTITIS	3.323E-03
TRANSMISSION OF DRUG VIA SEMEN	3.323E-03
CONGENITAL CENTRAL NERVOUS SYSTEM ANOMALY	3.369E-03
HEPATIC ENZYME INCREASED	3.515E-03
CONGENITAL ANOMALY	5.758E-03
MATERNAL DRUGS AFFECTING FOETUS	5.758E-03
MYOCARDIAL INFARCTION	6.966E-03
DRUG INEFFECTIVE	7.056E-03
BLOOD PRESSURE INADEQUATELY CONTROLLED	8.012E-03
HAEMORRHAGE	8.132E-03
TOXIC EPIDERMAL NECROLYSIS	8.809E-03
JAUNDICE	9.079E-03
CEREBROVASCULAR ACCIDENT	1.046E-02
ABORTION INDUCED	1.250E-02
CORONARY ARTERY DISEASE	1.282E-02
APLASTIC ANAEMIA	1.303E-02
AGITATION	1.361E-02
HEPATIC ENZYME ABNORMAL	1.368E-02
ERYTHEMA	1.373E-02
ALVEOLITIS ALLERGIC	1.419E-02
AMYOTROPHIC LATERAL SCLEROSIS	1.419E-02
TRISOMY 21	1.419E-02

**Table S13.** Features used in the hypertension logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
BLOOD PRESSURE INCREASED	8.075E-08
BLOOD PRESSURE INADEQUATELY CONTROLLED	1.457E-04
SWOLLEN TONGUE	1.976E-04
HYPOTENSION	5.960E-04
ANGIOEDEMA	7.229E-04

**Table S13.** Features used in the hypertension logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
THERAPEUTIC RESPONSE UNEXPECTED	3.001E-03
HYPERGLYCAEMIA	3.632E-03
PAIN	4.563E-03
DRUG INEFFECTIVE	6.255E-03
OEDEMA PERIPHERAL	6.906E-03
DYSPHAGIA	7.383E-03
WHEEZING	7.383E-03
HYPERTENSION	9.445E-03
COUGH	1.051E-02
TREMOR	1.395E-02
NAUSEA	1.570E-02
RESPIRATORY ARREST	1.721E-02
SWELLING FACE	1.957E-02
POISONING	2.470E-02
HYPERKALAEMIA	2.769E-02
DRUG WITHDRAWAL SYNDROME	2.772E-02
BRADYCARDIA	2.860E-02
CAESAREAN SECTION	3.051E-02
INTENTIONAL OVERDOSE	3.051E-02
HYPOKALAEMIA	3.669E-02
WEIGHT DECREASED	3.860E-02
ASTHMA	3.900E-02
OEDEMA	3.900E-02

**Table S14.** Features used in the liver dysfunction logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
MEDICATION ERROR	2.168E-05
DRUG LEVEL DECREASED	4.630E-05
BRADYCARDIA	2.201E-04
STEVENS-JOHNSON SYNDROME	6.989E-04
CEREBROVASCULAR ACCIDENT	7.106E-04
DRUG TOXICITY	1.121E-03
DRUG EXPOSURE DURING PREGNANCY	1.739E-03
TOXIC EPIDERMAL NECROLYSIS	2.836E-03
ANTICONVULSANT DRUG LEVEL DECREASED	3.564E-03
MYOCARDIAL INFARCTION	4.274E-03
ANXIETY	4.615E-03
DEPRESSION	5.210E-03
COMPLETED SUICIDE	8.609E-03
GASTROINTESTINAL HAEMORRHAGE	8.609E-03
OVERDOSE	9.861E-03
INCORRECT DOSE ADMINISTERED	1.198E-02
INSOMNIA	1.227E-02
PHARMACEUTICAL PRODUCT COMPLAINT	1.324E-02

**Table S13.** Features used in the hypertension logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
OEDEMA	1.443E-02
AMMONIA INCREASED	1.483E-02
HYPERTENSION	2.065E-02
HYPOTENSION	2.159E-02
CARDIAC FAILURE CONGESTIVE	2.475E-02
DYSPHAGIA	2.475E-02
INTESTINAL PERFORATION	3.512E-02
NEONATAL DISORDER	3.512E-02
HYPERSENSITIVITY	3.612E-02

**Table S15.** Features used in the renal impairment logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
ANGIONEUROTIC OEDEMA	5.252E-06
HYPERSENSITIVITY	4.741E-04
STEVENS-JOHNSON SYNDROME	6.041E-04
MYOCARDIAL INFARCTION	9.796E-04
ANGIOEDEMA	2.497E-03
COUGH	2.497E-03
PHARMACEUTICAL PRODUCT COMPLAINT	9.162E-03
CEREBROVASCULAR ACCIDENT	9.507E-03
TOXIC EPIDERMAL NECROLYSIS	9.515E-03
VESTIBULAR DISORDER	9.515E-03
GASTROINTESTINAL HAEMORRHAGE	1.297E-02
HYPERKALAEMIA	2.068E-02
DRUG EXPOSURE DURING PREGNANCY	2.434E-02
SWOLLEN TONGUE	3.216E-02
VISION BLURRED	3.216E-02
INTESTINAL PERFORATION	4.046E-02
THERAPEUTIC RESPONSE UNEXPECTED	4.063E-02

**Table S16.** Features used in the suicide logistic regression model.

<b>Adverse Event Feature</b>	<b>Association P-Value</b>
DRUG EXPOSURE DURING PREGNANCY	1.532E-06
SUICIDAL IDEATION	1.187E-02
DRUG WITHDRAWAL SYNDROME	4.824E-02

**Table S17.** Severe Adverse Event Classes

<b>AERS Drug Term</b>	<b>Event Class</b>
ALTOCOR	CHOL
ALTOPREV	CHOL

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
ANTARA	CHOL
ANTARA (MICRONIZED)	CHOL
ATORVASTATIN CALCIUM	CHOL
CLOPIDOGREL	CHOL
CLOPIDOGREL BISULFATE	CHOL
COLESTIPOL HYDROCHLORIDE	CHOL
CRESTOR	CHOL
FENOFIBRATE	CHOL
FENOGLIDE	CHOL
FLUVASTATIN SODIUM	CHOL
GEMFIBROZIL	CHOL
LESCOL	CHOL
LESCOL XL	CHOL
LIPIDIL	CHOL
LIPITOR	CHOL
LIPOFEN	CHOL
LOPID	CHOL
LOVASTATIN	CHOL
MEVACOR	CHOL
NIACIN	CHOL
NIACOR	CHOL
NIASPAN	CHOL
NICOTINIC ACID	CHOL
PLAVIX	CHOL
PRAVACHOL	CHOL
PRAVASTATIN	CHOL
PRAVASTATIN SODIUM	CHOL
ROSUVASTATIN CALCIUM	CHOL
SIMVASTATIN	CHOL
TICLID	CHOL
TICLOPIDINE HYDROCHLORIDE	CHOL
TRICOR	CHOL
TRICOR (MICRONIZED)	CHOL
TRIGLIDE	CHOL
WELCHOL	CHOL
ZOCOR	CHOL
AMITRIPTYLINE HYDROCHLORIDE	DEPR
ELAVIL	DEPR
ANAFRANIL	DEPR
CLOMIPRAMINE HYDROCHLORIDE	DEPR
ATOMOXETINE HCL	DEPR
STRATTERA	DEPR
BUPROPION HYDROCHLORIDE	DEPR
WELLBUTRIN	DEPR

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
WELLBUTRIN SR	DEPR
WELLBUTRIN XL	DEPR
ZYBAN	DEPR
BUSPAR	DEPR
BUSPIRONE	DEPR
BUSPIRONE HYDROCHLORIDE	DEPR
CELEXA	DEPR
CITALOPRAM	DEPR
CITALOPRAM HYDROBROMIDE	DEPR
ESCITALOPRAM	DEPR
ESCITALOPRAM OXALATE	DEPR
LEXAPRO	DEPR
CYMBALTA	DEPR
DULOXETINE HYDROCHLORIDE	DEPR
DESIPRAMINE HYDROCHLORIDE	DEPR
NORPRAMIN	DEPR
DESYREL	DEPR
TRAZODONE HYDROCHLORIDE	DEPR
DOXEPIN HCL	DEPR
DOXEPIN HYDROCHLORIDE	DEPR
SINEQUAN	DEPR
ZONALON	DEPR
EFFEXOR	DEPR
EFFEXOR XR	DEPR
VENLAFAXINE HYDROCHLORIDE	DEPR
EMSAM	DEPR
SELEGILINE HYDROCHLORIDE	DEPR
ZELAPAR	DEPR
FLUOXETINE	DEPR
FLUOXETINE HYDROCHLORIDE	DEPR
PROZAC	DEPR
SARAFEM	DEPR
FLUVOXAMINE MALEATE	DEPR
LUVOX	DEPR
LUVOX CR	DEPR
IMIPRAMINE	DEPR
IMIPRAMINE HYDROCHLORIDE	DEPR
IMIPRAMINE PAMOATE	DEPR
TOFRANIL-PM	DEPR
MARPLAN	DEPR
MIRTAZAPINE	DEPR
REMERON	DEPR
REMERON SOLTAB	DEPR
NARDIL	DEPR

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
NEFAZODONE HYDROCHLORIDE	DEPR
SERZONE	DEPR
NORTRIPTYLINE HCL	DEPR
NORTRIPTYLINE HYDROCHLORIDE	DEPR
PAMELOR	DEPR
PARNATE	DEPR
TRANLYCYPROMINE SULFATE	DEPR
PAROXETINE	DEPR
PAROXETINE HCL	DEPR
PAROXETINE HYDROCHLORIDE	DEPR
PAROXETINE MESYLATE	DEPR
PAXIL	DEPR
PAXIL CR	DEPR
PEXEVA	DEPR
PRISTIQ	DEPR
SERTRALINE	DEPR
SERTRALINE HYDROCHLORIDE	DEPR
ZOLOFT	DEPR
SURMONTIL	DEPR
TRIMIPRAMINE MALEATE	DEPR
ACARBOSE	DIAB
ACTOPLUS MET	DIAB
ACTOS	DIAB
AMARYL	DIAB
APIDRA	DIAB
AVANDAMET	DIAB
AVANDIA	DIAB
BYETTA	DIAB
DIABINESE	DIAB
EXUBERA	DIAB
GLIMEPIRIDE	DIAB
GLIPIZIDE	DIAB
GLUCOBAY	DIAB
GLUCOPHAGE	DIAB
GLUCOPHAGE XR	DIAB
GLUCOTROL XL	DIAB
GLUCOVANCE	DIAB
GLYBURIDE	DIAB
GLYBURIDE AND METFORMIN HCL	DIAB
HUMALOG	DIAB
HUMALOG MIX 50/50	DIAB
HUMALOG MIX 75/25	DIAB
HUMALOG PEN	DIAB
HUMULIN 70/30	DIAB

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
HUMULIN L	DIAB
HUMULIN N	DIAB
HUMULIN R	DIAB
HUMULIN U	DIAB
ILETIN	DIAB
INSULIN	DIAB
JANUMET	DIAB
JANUVIA	DIAB
LANTUS	DIAB
LEVEMIR	DIAB
LISINOPRIL	DIAB
METAGLIP	DIAB
METFORMIN	DIAB
METFORMIN HCL	DIAB
METFORMIN HYDROCHLORIDE	DIAB
MIXTARD HUMAN 70/30	DIAB
NOVOLIN 70/30	DIAB
NOVOLIN N	DIAB
NOVOLIN R	DIAB
NOVOLOG	DIAB
NOVOLOG MIX 70/30	DIAB
NPH INSULIN	DIAB
PIOGLITAZONE HCL	DIAB
PRANDIN	DIAB
ROSIGLITAZONE	DIAB
ROSIGLITAZONE MALEATE	DIAB
STARLIX	DIAB
SYMLIN	DIAB
ACETAMINOPHEN	HEPTOX
TYLENOL (CAPLET)	HEPTOX
TYLENOL (GELTAB)	HEPTOX
ALLOPURINOL	HEPTOX
AMOXICILLIN	HEPTOX
AMOXIL	HEPTOX
AURANOFIN	HEPTOX
RIDAURA	HEPTOX
AZATHIOPRINE	HEPTOX
IMURAN	HEPTOX
AZACTAM	HEPTOX
AZTREONAM	HEPTOX
CAPOTEN	HEPTOX
CAPTOPRIL	HEPTOX
HYDROCHLOROTHIAZIDE	HEPTOX
LEUKERAN	HEPTOX

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
CHLOROTHIAZIDE	HEPTOX
DIURIL	HEPTOX
CHLORTHALIDONE	HEPTOX
CHLORZOXAZONE	HEPTOX
CYCLOSPORINE	HEPTOX
NEORAL	HEPTOX
RESTASIS	HEPTOX
SANDIMMUNE	HEPTOX
DACARBAZINE	HEPTOX
COSMEGEN	HEPTOX
DACTINOMYCIN	HEPTOX
DANAZOL	HEPTOX
EDECRIN	HEPTOX
ETOPOSIDE	HEPTOX
VEPESID	HEPTOX
EULEXIN	HEPTOX
FLUTAMIDE	HEPTOX
ITRACONAZOLE	HEPTOX
SPORANOX	HEPTOX
KETOCONAZOLE	HEPTOX
XOLEGEL	HEPTOX
LISINOPRIL	HEPTOX
PRINIVIL	HEPTOX
PRINZIDE	HEPTOX
ZESTRIL	HEPTOX
ALTOCOR	HEPTOX
ALTOPREV	HEPTOX
LOVASTATIN	HEPTOX
MEVACOR	HEPTOX
MERCAPTOPURINE	HEPTOX
PURINETHOL	HEPTOX
CANASA	HEPTOX
LIALDA	HEPTOX
MESALAMINE	HEPTOX
PENTASA	HEPTOX
ROWASA	HEPTOX
METHIMAZOLE	HEPTOX
TAPAZOLE	HEPTOX
METOLAZONE	HEPTOX
MYKROX	HEPTOX
ZAROXOLYN	HEPTOX
NIACIN	HEPTOX
NIACOR	HEPTOX
NIASPAN	HEPTOX

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
NICOTINIC ACID	HEPTOX
ESOMEPRAZOLE MAGNESIUM	HEPTOX
NEXIUM	HEPTOX
NEXIUM IV	HEPTOX
OMEPRAZOLE	HEPTOX
OMEPRAZOLE MAGNESIUM	HEPTOX
PRILOSEC	HEPTOX
PRILOSEC OTC	HEPTOX
COPEGUS	HEPTOX
REBETOL	HEPTOX
RIBAVIRIN	HEPTOX
VIRAZOLE	HEPTOX
RIFADIN	HEPTOX
RIFAMPIN	HEPTOX
RIMACTANE	HEPTOX
SIMVASTATIN	HEPTOX
ZOCOR	HEPTOX
AZULFIDINE	HEPTOX
AZULFIDINE EN-TABS	HEPTOX
SULFASALAZINE	HEPTOX
BICALUTAMIDE	HEPTOX
CASODEX	HEPTOX
DOCETAXEL	HEPTOX
TAXOTERE	HEPTOX
CARVEDILOL	HEPTOX
COREG	HEPTOX
COREG CR	HEPTOX
ANTARA	HEPTOX
ANTARA (MICRONIZED)	HEPTOX
FENOFIBRATE	HEPTOX
FENOGLIDE	HEPTOX
LIPIDIL	HEPTOX
LIPOFEN	HEPTOX
TRICOR	HEPTOX
TRICOR (MICRONIZED)	HEPTOX
TRIGLIDE	HEPTOX
ARAVA	HEPTOX
LEFLUNOMIDE	HEPTOX
RAPAMUNE	HEPTOX
NORVIR	HEPTOX
RITONAVIR	HEPTOX
BOSENTAN	HEPTOX
TRACLEER	HEPTOX
KETEK	HEPTOX

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
EZETIMIBE	HEPTOX
ZETIA	HEPTOX
CLOLAR	HEPTOX
ISOSORBIDE DINITRATE	HEPTOX
SODIUM BICARBONATE	HEPTOX
EFAVIRENZ	HEPTOX
SUSTIVA	HEPTOX
TENOFOVIR DISOPROXIL FUMARATE	HEPTOX
VIREAD	HEPTOX
METOPROLOL SUCCINATE	HTN
ATENOLOL	HTN
AMLODIPINE BESYLATE	HTN
DOXAZOSIN MESYLATE	HTN
NIFEDIPINE	HTN
SPIRONOLACTONE	HTN
ENALAPRIL MALEATE	HTN
CLONIDINE	HTN
LABETALOL HCL	HTN
FUROSEMIDE	HTN
BUMETANIDE	HTN
LISINAPRIL	HTN
TERAZOSIN HCL	HTN
CAPTAPRIL	HTN
METOPROLOL TARTRATE	HTN
TRIAMTERENE AND HYDROCHLOROTHIAZIDE	HTN
FELODIPINE	HTN
CARVEDILOL	HTN
VERAPAMIL	HTN
DILTIAZEM	HTN
HYDROCHLOROTHIAZIDE	HTN
FOSINAPRIL SODIUM	HTN
CLONIDINE HCL	HTN
DILTIAZEM HCL	HTN
ENALAPRIL MALEATE AND HYDROCHLOROTHIAZIDE	HTN
PROPRANOLOL	HTN
NICARDIPINE HCL	HTN
CAPTAPRIL AND HYDROCHLOROTHIAZIDE	HTN
RAMIPRIL	HTN
NICARDIPINE HYDROCHLORIDE	HTN
METHYLDOPA	HTN
INDAPAMIDE	HTN
DILTIAZEM HYDROCHLORIDE	HTN
AMILORIDE HCL AND HYDROCHLOROTHIAZIDE	HTN
NADOLOL	HTN

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
LISINAPRIL AND HYDROCHLOROTHIAZIDE	HTN
TORSEMIDE	HTN
QUINAPRIL HCL	HTN
AMLODIPINE	HTN
DOXAZOSIN MESLYLATE	HTN
TIMOLOL MALEATE	HTN
AMILORIDE HCL	HTN
METOLAZONE	HTN
IRBESARTAN	HTN
PRAZOSIN HCL	HTN
RESERPINE	HTN
VERAPAMIL HCL	HTN
ENALAPRILAT	HTN
TERAZOSIN HYDROCHLORIDE	HTN
CHLORTHALIDONE	HTN
PROPRANOLOL HCL	HTN
LABETALOL HYDROCHLORIDE	HTN
LERCANIDIPINE	HTN
HYDROCHLOROTHIAZIDE 25MG TAB	HTN
VERAPAMIL HYDROCHLORIDE	HTN
GUANFACINE HCL	HTN
BENAZEPRIL HCL	HTN
BISOPROLOL FUMARATE AND HYDROCHLOROTHIAZIDE	HTN
AMLODIPINE MALEATE	HTN
CHLOROTHIAZIDE	HTN
ATENOLOL AND CHLORTHALIDONE	HTN
HYDROCHLOROTHIAZIDE TAB	HTN
EPLERENONE	HTN
NIMODIPINE	HTN
AMILORIDE HCL AND HYDROCHLOROTHIAZIDE	HTN
PRAZOSIN GITS	HTN
TRIAMETERENE AND HYDROCHLOROTHIAZIDE	HTN
INDORAMIN	HTN
PROPRANOLOL HYDROCHLORIDE	HTN
GUANABENZ ACETATE	HTN
PHENTOLAMINE MESYLATE	HTN
TRIAMETERENE W/ HYDROCHLOROTHIAZIDE	HTN
LOSARTAN POTASSIUM	HTN
TRAVOPROST AND TIMOLOL	HTN
PINDOLOL	HTN
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	HTN
QUINAPRIL HCL HYDROCHLOROTHIAZIDE	HTN
SPIRONOLACTONE W/ HYDROCHLOROTHIAZIDE	HTN
LOSARTAN POTASSIUM AND HYDROCHLOROTHIAZIDE	HTN

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
RESERPINE AND HYDROCHLOROTHIAZIDE	HTN
HYDROCHLOROTHIAZIDE AND LISINOPRIL	HTN
HYDROCHLOROTHIAZIDE 50MG TAB	HTN
ISRADIPINE	HTN
SPIRONOLACTONE AND HYDROCHLOROTHIAZIDE	HTN
BENAZEPRIL HCL AND HYDROCHLOROTHIAZIDE	HTN
METHYLDOPATE HCL	HTN
LABETALOL	HTN
METOPROLOL SUCCINATE EXTENDED RELEASE	HTN
PROPRANOLOL HCL INTENSOL	HTN
TERAZOSIN	HTN
AMLODIPINE BESYLATE AND BENAZEPRIL HCL	HTN
TRANDOLAPRIL	HTN
IRBESARTAN - HYDROCHLOROTHIAZIDE	HTN
VALSARTAN	HTN
QUINAPRIL	HTN
QUINAPRIL HYDROCHLORIDE AND HYDROCHLOROTHIAZIDE	HTN
VERAPAMIL EXTENDED-RELEASE	HTN
SPIRONOLACTONE 25MG TAB	HTN
BENAZEPRIL HYDROCHLORIDE	HTN
BENAZEPRIL HCL + HYDROCHLOROTHIAZIDE	HTN
METOPROLOL TARTRATE AND HYDROCHLOROTHIAZIDE	HTN
GUANETHIDINE SULFATE	HTN
BENAZEPRIL HYDROCHLOROTHIAZIDE	HTN
FOSINOPRIL SODIUM AND HYDROCHLOROTHIAZIDE	HTN
IRBESARTAN AND HYDROCHLOROTHIAZIDE	HTN
AMILORIDE HYDROCHLORIDE	HTN
QUINAPRIL HCL + HYDROCHLOROTHIAZIDE	HTN
IRBESARTAN + HYDROCHLOROTHIAZIDE	HTN
FUROSEMIDE INTENSOL	HTN
PERINDOPRIL ERUMINE	HTN
PERINDOPRIL ERBUMINE	HTN
BENAZEPRIL HYDROCHLORIDE AND HYDROCHLOROTHIAZIDE	HTN
LOSARTAN POSTASSIUM	HTN
CAPTOPRIL HYDROCHLOROTHIAZIDE	HTN
VALSARTAN AND HYDROCHLOROTHIAZIDE	HTN
OLMESARTAN MEDOXOMIL	HTN
NIFEDIPINE HCL	HTN
TOLAZOLINE HCL	HTN
DORZOLAMIDE HCL TIMOLOL MALEATE	HTN
OLMESARTAN MEDOXOMIL AND HYDROCHLOROTHIAZIDE	HTN
APRACLONIDINE	HTN
CANDESARTAN CILEXETIL	HTN

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
TELMISARTAN	HTN
GUANFACINE HYDROCHLORIDE	HTN
CLONIDINE HYDROCHLORIDE	HTN
FELODIPINE EXTENDED RELEASE	HTN
MOEXIPRIL HYDROCHLORIDE AND HYDROCHLOROTHIAZIDE	HTN
BRIMONIDINE TARTRATE AND TIMOLOL	HTN
DORZOLAMIDE HCL AND TIMOLOL MALEATE	HTN
PROPRANOLOL HYDROCHLORIDE + HYDROCHLOROTHIAZIDE	HTN
AMLODIPINE MALEATE/ BENAZEPRIL HYDROCHLORIDE	HTN
AMLODIPINE BESYLATE AND BENAZEPRIL HYDROCHLORIDE	HTN
AMLODIPINE BESYLATE AND ATORVASTATIN CALIUM	HTN
METHYLDOPA/HYDROCHLOROTHIAZIDE	HTN
QUINAPRIL HCL AND HYDROCHLOROTHIAZIDE	HTN
PRAZOSIN HYDROCHLORIDE	HTN
QUINAPRIL HYDROCHLORIDE	HTN
DILTIAZEM XR	HTN
TRANDOLAPRIL AND VERAPAMIL HYDROCHLORIDE EXT. REL.	HTN
DORZOLAMIDE HYDROCHLORIDE AND TIMOLOL MALEATE	HTN
PROPRANOLOL HYDROCHLORIDE INTENSOL	HTN
ACEBUTOLOL	LIVDYS
ACEBUTOLOL HYDROCHLORIDE	LIVDYS
SECTRAL	LIVDYS
ACETAMINOPHEN	LIVDYS
TYLENOL (CAPLET)	LIVDYS
TYLENOL (GELTAB)	LIVDYS
ACTOS	LIVDYS
PIOGLITAZONE	LIVDYS
PIOGLITAZONE HCL	LIVDYS
ALLOPURINOL	LIVDYS
ATENOLOL	LIVDYS
TENORMIN	LIVDYS
AVANDIA	LIVDYS
ROSIGLITAZONE	LIVDYS
ROSIGLITAZONE MALEATE	LIVDYS
CARBAMAZEPINE	LIVDYS
CARBATROL	LIVDYS
EQUETRO	LIVDYS
TEGRETOL	LIVDYS
TEGRETOL-XR	LIVDYS
ADVIL	LIVDYS
ADVIL LIQUI-GELS	LIVDYS
CHILDREN'S ADVIL	LIVDYS
CHILDREN'S IBUPROFEN	LIVDYS
CHILDREN'S MOTRIN	LIVDYS

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
IBUPROFEN	LIVDYS
JUNIOR STRENGTH ADVIL	LIVDYS
JUNIOR STRENGTH MOTRIN	LIVDYS
MOTRIN	LIVDYS
MOTRIN IB	LIVDYS
NEOPROFEN	LIVDYS
NUPRIN	LIVDYS
CIMETIDINE	LIVDYS
TAGAMET HB	LIVDYS
TAGAMET HB 200	LIVDYS
DANTRIUM	LIVDYS
DANTROLENE SODIUM	LIVDYS
CATAFLAM	LIVDYS
DICLOFENAC POTASSIUM	LIVDYS
DICLOFENAC SODIUM	LIVDYS
FLECTOR	LIVDYS
SOLARAZE	LIVDYS
VOLTAREN	LIVDYS
VOLTAREN-XR	LIVDYS
CARDIZEM	LIVDYS
CARDIZEM LA	LIVDYS
CARTIA XT	LIVDYS
DILTIAZEM	LIVDYS
DILTIAZEM HYDROCHLORIDE	LIVDYS
TIAZAC	LIVDYS
ENFLURANE	LIVDYS
ETHRANE	LIVDYS
ETHAMBUTOL HYDROCHLORIDE	LIVDYS
MYAMBUTOL	LIVDYS
EXTENDED PHENYTOIN SODIUM	LIVDYS
PHENYTEK	LIVDYS
PHENYTOIN	LIVDYS
PHENYTOIN SODIUM	LIVDYS
CEREBYX	LIVDYS
FOSPHENYTOIN	LIVDYS
FOSPHENYTOIN SODIUM	LIVDYS
HALOTHANE	LIVDYS
INDOCIN	LIVDYS
INDOCIN I.V.	LIVDYS
INDOMETHACIN	LIVDYS
INDOMETHACIN SODIUM	LIVDYS
ISONIAZID	LIVDYS
KETOCONAZOLE	LIVDYS
XOLEGEL	LIVDYS

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
LABETALOL	LIVDYS
LABETALOL HYDROCHLORIDE	LIVDYS
TRANDATE	LIVDYS
MAPROTILINE	LIVDYS
METOPROLOL SUCCINATE	LIVDYS
METOPROLOL TARTRATE	LIVDYS
TOPROL-XL	LIVDYS
ALEVE	LIVDYS
EC-NAPROSYN	LIVDYS
NAPRELAN	LIVDYS
NAPROSYN	LIVDYS
NAPROXEN	LIVDYS
NAPROXEN SODIUM	LIVDYS
FELDENE	LIVDYS
PIROXICAM	LIVDYS
PROBENECID	LIVDYS
PYRAZINAMIDE	LIVDYS
QUALAQUIN	LIVDYS
QUINIDEX	LIVDYS
QUINIDINE SULFATE	LIVDYS
QUININE SULFATE	LIVDYS
RANITIDINE	LIVDYS
RANITIDINE HYDROCHLORIDE	LIVDYS
ZANTAC	LIVDYS
ZANTAC 150	LIVDYS
REZULIN	LIVDYS
CLINORIL	LIVDYS
SULINDAC	LIVDYS
DEPACON	LIVDYS
DEPAKOTE	LIVDYS
DEPAKOTE ER	LIVDYS
DIVALPROEX SODIUM	LIVDYS
VALPROATE SODIUM	LIVDYS
VALPROIC ACID	LIVDYS
COVERA-HS	LIVDYS
ISOPTIN SR	LIVDYS
VERAPAMIL	LIVDYS
VERAPAMIL HYDROCHLORIDE	LIVDYS
VERELAN PM	LIVDYS
ACCUPRIL	RENIMP
QUINAPRIL	RENIMP
QUINAPRIL HYDROCHLORIDE	RENIMP
ACEON	RENIMP
PERINDOPRIL ERBUMINE	RENIMP

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
ALTACE	RENIMP
RAMIPRIL	RENIMP
AMIKACIN	RENIMP
ASPIRIN	RENIMP
BAYER EXTRA STRENGTH ASPIRIN FOR MIGRAINE PAIN	RENIMP
BENZAEPRIIL HCL	RENIMP
BENZAEPRIIL HYDROCHLORIDE	RENIMP
LOTENSIN	RENIMP
CAPOTEN	RENIMP
CAPTOPRIL	RENIMP
CELEBREX	RENIMP
CELECOXIB	RENIMP
ADVIL	RENIMP
ADVIL LIQUI-GELS	RENIMP
CHILDREN'S ADVIL	RENIMP
CHILDREN'S IBUPROFEN	RENIMP
CHILDREN'S MOTRIN	RENIMP
IBUPROFEN	RENIMP
JUNIOR STRENGTH ADVIL	RENIMP
JUNIOR STRENGTH MOTRIN	RENIMP
MOTRIN	RENIMP
MOTRIN IB	RENIMP
NEOPROFEN	RENIMP
NUPRIN	RENIMP
CATAFLAM	RENIMP
DICLOFENAC POTASSIUM	RENIMP
DICLOFENAC SODIUM	RENIMP
FLECTOR	RENIMP
SOLARAZE	RENIMP
VOLTAREN	RENIMP
VOLTAREN-XR	RENIMP
DIFLUNISAL	RENIMP
DOLOBID	RENIMP
ENALAPRIL MALEATE	RENIMP
ENALAPRILAT	RENIMP
VASOTEC	RENIMP
ETODOLAC	RENIMP
LODINE	RENIMP
LODINE XL	RENIMP
FENOPROFEN CALCIUM	RENIMP
NALFON	RENIMP
ANSAID	RENIMP
FLURBIPROFEN	RENIMP
FLURBIPROFEN SODIUM	RENIMP

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
OCUFEN	RENIMP
FOSINOPRIL SODIUM	RENIMP
MONOPRIL	RENIMP
GENTAMICIN	RENIMP
INDOCIN	RENIMP
INDOCIN I.V.	RENIMP
INDOMETHACIN	RENIMP
INDOMETHACIN SODIUM	RENIMP
KANAMYCIN	RENIMP
KETOPROFEN	RENIMP
ORUDIS	RENIMP
ORUDIS KT	RENIMP
ORUVAIL	RENIMP
ACULAR	RENIMP
ACULAR LS	RENIMP
ACULAR PRESERVATIVE FREE	RENIMP
KETOROLAC	RENIMP
KETOROLAC TROMETHAMINE	RENIMP
TORADOL	RENIMP
LISINOPRIL	RENIMP
PRINIVIL	RENIMP
PRINZIDE	RENIMP
ZESTRIL	RENIMP
MEFENAMIC ACID	RENIMP
PONSTEL	RENIMP
MELOXICAM	RENIMP
MOBIC	RENIMP
NABUMETONE	RENIMP
RELAFEN	RENIMP
ALEVE	RENIMP
EC-NAPROSYN	RENIMP
NAPRELAN	RENIMP
NAPROSYN	RENIMP
NAPROXEN	RENIMP
NAPROXEN SODIUM	RENIMP
NEOMYCIN	RENIMP
DAYPRO	RENIMP
OXAPROZIN	RENIMP
FELDENE	RENIMP
PIROXICAM	RENIMP
ROFECOXIB	RENIMP
VIOXX	RENIMP
STREPTOMYCIN	RENIMP
CLINORIL	RENIMP

**Table S17. Severe Adverse Event Classes**

<b>AERS Drug Term</b>	<b>Event Class</b>
SULINDAC	RENIMP
TOBI	RENIMP
TOBRAMYCIN	RENIMP
TOBRAMYCIN SULFATE	RENIMP
TOBREX	RENIMP
BEXTRA	RENIMP
VALDECOXIB	RENIMP
CELEXA	SUIC
CITALOPRAM	SUIC
CITALOPRAM HYDROBROMIDE	SUIC
ESCITALOPRAM	SUIC
ESCITALOPRAM OXALATE	SUIC
LEXAPRO	SUIC
FLUOXETINE	SUIC
FLUOXETINE HYDROCHLORIDE	SUIC
PROZAC	SUIC
SARAFEM	SUIC
NEFAZODONE HYDROCHLORIDE	SUIC
SERZONE	SUIC
PAROXETINE	SUIC
PAROXETINE HCL	SUIC
PAROXETINE HYDROCHLORIDE	SUIC
PAROXETINE MESYLATE	SUIC
PAXIL	SUIC
PAXIL CR	SUIC
PEXEVA	SUIC
EMSAM	SUIC
SELEGILINE HYDROCHLORIDE	SUIC
ZELAPAR	SUIC
SERTRALINE	SUIC
SERTRALINE HYDROCHLORIDE	SUIC
ZOLOFT	SUIC
EFFEXOR	SUIC
EFFEXOR XR	SUIC
VENLAFAXINE HYDROCHLORIDE	SUIC
CYMBALTA	SUIC
DULOXETINE HYDROCHLORIDE	SUIC