

Cluster	ID	Description	log2Ratio	log2FC	adjP	adjFC	qvalue	geneID	Count
Common	RHS4-2162752	Cellular responses to stress	1.144710	1.615046	2.62	1.445613	TUBAL1/PSMA7/H2BC12/APDA1/CAT1/OPB/TUBBA4/H2AC/H2E1S1/PRPL1/PRP1/P2/H2BC12/ITP1/PH4B/HSP90A4	114	
Common	RHS4-8951887	Cellular responses to external stimuli	1.144710	1.6070856	1.8776	0.953378	TUBAL1/PSMA7/H2BC12/APDA1/CAT1/OPB/TUBBA4/H2AC/H2E1S1/PRPL1/PRP1/P2/H2BC12/ITP1/PH4B/HSP90A4	114	
Common	RHS4-424745	Axon guidance	1.144710	1.7082316	5.9734	2.805238	TUBAL1/AGRN/SDCBP/ADAM10/NRNP1/PSMA1/MTM11A/NRFP2/SMYD/CCOL2A/COL3A1/TUBBA4/PRPL1/PRP1/P2/ITP1/PH4B/HSP90A4	100	
Common	RHS4-14608	Platelet megakaryogenesis	1.144710	1.2910856	6.16	3.133213	TUBAL1/AGRN/SDCBP/ADAM10/NRNP1/PSMA1/MTM11A/NRFP2/SMYD/CCOL2A/COL3A1/TUBBA4/PRPL1/PRP1/P2/ITP1/PH4B/HSP90A4	100	
Common	RHS4-76005	Response to elevated platelet cytosolic Ca2+	1.144710	1.2002932	4.002620	1.972530	GOSL1/ACTN4/NDPR1/F31A/CFO/CFP/GERPN3A/NR1/NGS1/JAG1/PRPH/POPH1/1/AHSG/TF1/ALDOA/AP	50	
Common	RHS4-957108	Nervous system development	1.144710	1.7713132	1.424829	6.70810	TUBAL1/AGRN/SDCBP/ADAM10/NRNP1/PSMA1/MTM11A/NRFP2/SMYD/CCOL2A/COL3A1/TUBBA4/PRPL1/PRP1/P2/ITP1/PH4B/HSP90A4	100	
Common	RHS4-939216	RUN1 regulates transcription of genes involved in differentiation of HSCs	1.144710	1.3011056	1.8784	2.12342	TUBAL1/AGRN/SDCBP/ADAM10/NRNP1/PSMA1/MTM11A/NRFP2/SMYD/CCOL2A/COL3A1/TUBBA4/PRPL1/PRP1/P2/ITP1/PH4B/HSP90A4	100	
Common	RHS4-5662035	Infectious disease	1.144710	1.7713132	1.424829	6.70810	TUBAL1/AGRN/SDCBP/ADAM10/NRNP1/PSMA1/MTM11A/NRFP2/SMYD/CCOL2A/COL3A1/TUBBA4/PRPL1/PRP1/P2/ITP1/PH4B/HSP90A4	100	
Common	RHS4-5025740	RHO GTPases activate PAKs	1.144710	1.3011056	1.8784	2.12342	TUBAL1/AGRN/SDCBP/ADAM10/NRNP1/PSMA1/MTM11A/NRFP2/SMYD/CCOL2A/COL3A1/TUBBA4/PRPL1/PRP1/P2/ITP1/PH4B/HSP90A4	100	
Common	RHS4-120582	RHO GTPase effectors	1.144710	1.3011056	1.8784	2.12342	TUBAL1/AGRN/SDCBP/ADAM10/NRNP1/PSMA1/MTM11A/NRFP2/SMYD/CCOL2A/COL3A1/TUBBA4/PRPL1/PRP1/P2/ITP1/PH4B/HSP90A4	100	
Common	RHS4-8532276	The role of GTE1 in G2M progression after G2 checkpoint	1.144710	1.7713132	1.424829	6.70810	TUBAL1/AGRN/SDCBP/ADAM10/NRNP1/PSMA1/MTM11A/NRFP2/SMYD/CCOL2A/COL3A1/TUBBA4/PRPL1/PRP1/P2/ITP1/PH4B/HSP90A4	100	
Common	RHS4-1243885	Disease	1.144710	1.615046	2.62	1.445613	TUBAL1/PSMA7/H2BC12/APDA1/CAT1/OPB/TUBBA4/H2AC/H2E1S1/PRPL1/PRP1/P2/H2BC12/ITP1/PH4B/HSP90A4	114	
Common	RHS4-77225	Artery formation	1.144710	1.615046	2.62	1.445613	TUBAL1/PSMA7/H2BC12/APDA1/CAT1/OPB/TUBBA4/H2AC/H2E1S1/PRPL1/PRP1/P2/H2BC12/ITP1/PH4B/HSP90A4	114	
Common	RHS4-381426	Regulation of insulin-like Growth Factor (IGF) transport and uptake by insulin-like Growth Factor Binding Proteins (IGFBP)	1.144710	1.251056	2.086623	2.939924	CSOX1/ADAM10/PRSS23/CFP2/CFP/USP/SPRINC1/CTM/MP1/ACTG1/ACTG2/ACTG3/ACTG4/ACTG5/ACTG6/ACTG7/ACTG8/ACTG9/ACTG10/ACTG11/ACTG12/ACTG13/ACTG14/ACTG15/ACTG16/ACTG17/ACTG18/ACTG19/ACTG20/ACTG21/ACTG22/ACTG23/ACTG24/ACTG25/ACTG26/ACTG27/ACTG28/ACTG29/ACTG30/ACTG31/ACTG32/ACTG33/ACTG34/ACTG35/ACTG36/ACTG37/ACTG38/ACTG39/ACTG40/ACTG41/ACTG42/ACTG43/ACTG44/ACTG45/ACTG46/ACTG47/ACTG48/ACTG49/ACTG50/ACTG51/ACTG52/ACTG53/ACTG54/ACTG55/ACTG56/ACTG57/ACTG58/ACTG59/ACTG60/ACTG61/ACTG62/ACTG63/ACTG64/ACTG65/ACTG66/ACTG67/ACTG68/ACTG69/ACTG70/ACTG71/ACTG72/ACTG73/ACTG74/ACTG75/ACTG76/ACTG77/ACTG78/ACTG79/ACTG80/ACTG81/ACTG82/ACTG83/ACTG84/ACTG85/ACTG86/ACTG87/ACTG88/ACTG89/ACTG90/ACTG91/ACTG92/ACTG93/ACTG94/ACTG95/ACTG96/ACTG97/ACTG98/ACTG99/ACTG100/ACTG101/ACTG102/ACTG103/ACTG104/ACTG105/ACTG106/ACTG107/ACTG108/ACTG109/ACTG110/ACTG111/ACTG112/ACTG113/ACTG114/ACTG115/ACTG116/ACTG117/ACTG118/ACTG119/ACTG120/ACTG121/ACTG122/ACTG123/ACTG124/ACTG125/ACTG126/ACTG127/ACTG128/ACTG129/ACTG130/ACTG131/ACTG132/ACTG133/ACTG134/ACTG135/ACTG136/ACTG137/ACTG138/ACTG139/ACTG140/ACTG141/ACTG142/ACTG143/ACTG144/ACTG145/ACTG146/ACTG147/ACTG148/ACTG149/ACTG150/ACTG151/ACTG152/ACTG153/ACTG154/ACTG155/ACTG156/ACTG157/ACTG158/ACTG159/ACTG160/ACTG161/ACTG162/ACTG163/ACTG164/ACTG165/ACTG166/ACTG167/ACTG168/ACTG169/ACTG170/ACTG171/ACTG172/ACTG173/ACTG174/ACTG175/ACTG176/ACTG177/ACTG178/ACTG179/ACTG180/ACTG181/ACTG182/ACTG183/ACTG184/ACTG185/ACTG186/ACTG187/ACTG188/ACTG189/ACTG190/ACTG191/ACTG192/ACTG193/ACTG194/ACTG195/ACTG196/ACTG197/ACTG198/ACTG199/ACTG200/ACTG201/ACTG202/ACTG203/ACTG204/ACTG205/ACTG206/ACTG207/ACTG208/ACTG209/ACTG210/ACTG211/ACTG212/ACTG213/ACTG214/ACTG215/ACTG216/ACTG217/ACTG218/ACTG219/ACTG220/ACTG221/ACTG222/ACTG223/ACTG224/ACTG225/ACTG226/ACTG227/ACTG228/ACTG229/ACTG230/ACTG231/ACTG232/ACTG233/ACTG234/ACTG235/ACTG236/ACTG237/ACTG238/ACTG239/ACTG240/ACTG241/ACTG242/ACTG243/ACTG244/ACTG245/ACTG246/ACTG247/ACTG248/ACTG249/ACTG250/ACTG251/ACTG252/ACTG253/ACTG254/ACTG255/ACTG256/ACTG257/ACTG258/ACTG259/ACTG260/ACTG261/ACTG262/ACTG263/ACTG264/ACTG265/ACTG266/ACTG267/ACTG268/ACTG269/ACTG270/ACTG271/ACTG272/ACTG273/ACTG274/ACTG275/ACTG276/ACTG277/ACTG278/ACTG279/ACTG280/ACTG281/ACTG282/ACTG283/ACTG284/ACTG285/ACTG286/ACTG287/ACTG288/ACTG289/ACTG290/ACTG291/ACTG292/ACTG293/ACTG294/ACTG295/ACTG296/ACTG297/ACTG298/ACTG299/ACTG300/ACTG301/ACTG302/ACTG303/ACTG304/ACTG305/ACTG306/ACTG307/ACTG308/ACTG309/ACTG310/ACTG311/ACTG312/ACTG313/ACTG314/ACTG315/ACTG316/ACTG317/ACTG318/ACTG319/ACTG320/ACTG321/ACTG322/ACTG323/ACTG324/ACTG325/ACTG326/ACTG327/ACTG328/ACTG329/ACTG330/ACTG331/ACTG332/ACTG333/ACTG334/ACTG335/ACTG336/ACTG337/ACTG338/ACTG339/ACTG340/ACTG341/ACTG342/ACTG343/ACTG344/ACTG345/ACTG346/ACTG347/ACTG348/ACTG349/ACTG350/ACTG351/ACTG352/ACTG353/ACTG354/ACTG355/ACTG356/ACTG357/ACTG358/ACTG359/ACTG360/ACTG361/ACTG362/ACTG363/ACTG364/ACTG365/ACTG366/ACTG367/ACTG368/ACTG369/ACTG370/ACTG371/ACTG372/ACTG373/ACTG374/ACTG375/ACTG376/ACTG377/ACTG378/ACTG379/ACTG380/ACTG381/ACTG382/ACTG383/ACTG384/ACTG385/ACTG386/ACTG387/ACTG388/ACTG389/ACTG390/ACTG391/ACTG392/ACTG393/ACTG394/ACTG395/ACTG396/ACTG397/ACTG398/ACTG399/ACTG400/ACTG401/ACTG402/ACTG403/ACTG404/ACTG405/ACTG406/ACTG407/ACTG408/ACTG409/ACTG410/ACTG411/ACTG412/ACTG413/ACTG414/ACTG415/ACTG416/ACTG417/ACTG418/ACTG419/ACTG420/ACTG421/ACTG422/ACTG423/ACTG424/ACTG425/ACTG426/ACTG427/ACTG428/ACTG429/ACTG430/ACTG431/ACTG432/ACTG433/ACTG434/ACTG435/ACTG436/ACTG437/ACTG438/ACTG439/ACTG440/ACTG441/ACTG442/ACTG443/ACTG444/ACTG445/ACTG446/ACTG447/ACTG448/ACTG449/ACTG450/ACTG451/ACTG452/ACTG453/ACTG454/ACTG455/ACTG456/ACTG457/ACTG458/ACTG459/ACTG460/ACTG461/ACTG462/ACTG463/ACTG464/ACTG465/ACTG466/ACTG467/ACTG468/ACTG469/ACTG470/ACTG471/ACTG472/ACTG473/ACTG474/ACTG475/ACTG476/ACTG477/ACTG478/ACTG479/ACTG480/ACTG481/ACTG482/ACTG483/ACTG484/ACTG485/ACTG486/ACTG487/ACTG488/ACTG489/ACTG490/ACTG491/ACTG492/ACTG493/ACTG494/ACTG495/ACTG496/ACTG497/ACTG498/ACTG499/ACTG500/ACTG501/ACTG502/ACTG503/ACTG504/ACTG505/ACTG506/ACTG507/ACTG508/ACTG509/ACTG510/ACTG511/ACTG512/ACTG513/ACTG514/ACTG515/ACTG516/ACTG517/ACTG518/ACTG519/ACTG520/ACTG521/ACTG522/ACTG523/ACTG524/ACTG525/ACTG526/ACTG527/ACTG528/ACTG529/ACTG530/ACTG531/ACTG532/ACTG533/ACTG534/ACTG535/ACTG536/ACTG537/ACTG538/ACTG539/ACTG540/ACTG541/ACTG542/ACTG543/ACTG544/ACTG545/ACTG546/ACTG547/ACTG548/ACTG549/ACTG550/ACTG551/ACTG552/ACTG553/ACTG554/ACTG555/ACTG556/ACTG557/ACTG558/ACTG559/ACTG560/ACTG561/ACTG562/ACTG563/ACTG564/ACTG565/ACTG566/ACTG567/ACTG568/ACTG569/ACTG570/ACTG571/ACTG572/ACTG573/ACTG574/ACTG575/ACTG576/ACTG577/ACTG578/ACTG579/ACTG580/ACTG581/ACTG582/ACTG583/ACTG584/ACTG585/ACTG586/ACTG587/ACTG588/ACTG589/ACTG590/ACTG591/ACTG592/ACTG593/ACTG594/ACTG595/ACTG596/ACTG597/ACTG598/ACTG599/ACTG600/ACTG601/ACTG602/ACTG603/ACTG604/ACTG605/ACTG606/ACTG607/ACTG608/ACTG609/ACTG610/ACTG611/ACTG612/ACTG613/ACTG614/ACTG615/ACTG616/ACTG617/ACTG618/ACTG619/ACTG620/ACTG621/ACTG622/ACTG623/ACTG624/ACTG625/ACTG626/ACTG627/ACTG628/ACTG629/ACTG630/ACTG631/ACTG632/ACTG633/ACTG634/ACTG635/ACTG636/ACTG637/ACTG638/ACTG639/ACTG640/ACTG641/ACTG642/ACTG643/ACTG644/ACTG645/ACTG646/ACTG647/ACTG648/ACTG649/ACTG650/ACTG651/ACTG652/ACTG653/ACTG654/ACTG655/ACTG656/ACTG657/ACTG658/ACTG659/ACTG660/ACTG661/ACTG662/ACTG663/ACTG664/ACTG665/ACTG666/ACTG667/ACTG668/ACTG669/ACTG670/ACTG671/ACTG672/ACTG673/ACTG674/ACTG675/ACTG676/ACTG677/ACTG678/ACTG679/ACTG680/ACTG681/ACTG682/ACTG683/ACTG684/ACTG685/ACTG686/ACTG687/ACTG688/ACTG689/ACTG690/ACTG691/ACTG692/ACTG693/ACTG694/ACTG695/ACTG696/ACTG697/ACTG698/ACTG699/ACTG700/ACTG701/ACTG702/ACTG703/ACTG704/ACTG705/ACTG706/ACTG707/ACTG708/ACTG709/ACTG710/ACTG711/ACTG712/ACTG713/ACTG714/ACTG715/ACTG716/ACTG717/ACTG718/ACTG719/ACTG720/ACTG721/ACTG722/ACTG723/ACTG724/ACTG725/ACTG726/ACTG727/ACTG728/ACTG729/ACTG730/ACTG731/ACTG732/ACTG733/ACTG734/ACTG735/ACTG736/ACTG737/ACTG738/ACTG739/ACTG740/ACTG741/ACTG742/ACTG743/ACTG744/ACTG745/ACTG746/ACTG747/ACTG748/ACTG749/ACTG750/ACTG751/ACTG752/ACTG753/ACTG754/ACTG755/ACTG756/ACTG757/ACTG758/ACTG759/ACTG760/ACTG761/ACTG762/ACTG763/ACTG764/ACTG765/ACTG766/ACTG767/ACTG768/ACTG769/ACTG770/ACTG771/ACTG772/ACTG773/ACTG774/ACTG775/ACTG776/ACTG777/ACTG778/ACTG779/ACTG780/ACTG781/ACTG782/ACTG783/ACTG784/ACTG785/ACTG786/ACTG787/ACTG788/ACTG789/ACTG790/ACTG791/ACTG792/ACTG793/ACTG794/ACTG795/ACTG796/ACTG797/ACTG798/ACTG799/ACTG800/ACTG801/ACTG802/ACTG803/ACTG804/ACTG805/ACTG806/ACTG807/ACTG808/ACTG809/ACTG810/ACTG811/ACTG812/ACTG813/ACTG814/ACTG815/ACTG816/ACTG817/ACTG818/ACTG819/ACTG820/ACTG821/ACTG822/ACTG823/ACTG824/ACTG825/ACTG826/ACTG827/ACTG828/ACTG829/ACTG830/ACTG831/ACTG832/ACTG833/ACTG834/ACTG835/ACTG836/ACTG837/ACTG838/ACTG839/ACTG840/ACTG841/ACTG842/ACTG843/ACTG844/ACTG845/ACTG846/ACTG847/ACTG848/ACTG849/ACTG850/ACTG851/ACTG852/ACTG853/ACTG854/ACTG855/ACTG856/ACTG857/ACTG858/ACTG859/ACTG860/ACTG861/ACTG862/ACTG863/ACTG864/ACTG865/ACTG866/ACTG867/ACTG868/ACTG869/ACTG870/ACTG871/ACTG872/ACTG873/ACTG874/ACTG875/ACTG876/ACTG877/ACTG878/ACTG879/ACTG880/ACTG881/ACTG882/ACTG883/ACTG884/ACTG885/ACTG886/ACTG887/ACTG888/ACTG889/ACTG890/ACTG891/ACTG892/ACTG893/ACTG894/ACTG895/ACTG896/ACTG897/ACTG898/ACTG899/ACTG900/ACTG901/ACTG902/ACTG903/ACTG904/ACTG905/ACTG906/ACTG907/ACTG908/ACTG909/ACTG910/ACTG911/ACTG912/ACTG913/ACTG914/ACTG915/ACTG916/ACTG917/ACTG918/ACTG919/ACTG920/ACTG921/ACTG922/ACTG923/ACTG924/ACTG925/ACTG926/ACTG927/ACTG928/ACTG929/ACTG930/ACTG931/ACTG932/ACTG933/ACTG934/ACTG935/ACTG936/ACTG937/ACTG938/ACTG939/ACTG940/ACTG941/ACTG942/ACTG943/ACTG944/ACTG945/ACTG946/ACTG947/ACTG948/ACTG949/ACTG950/ACTG951/ACTG952/ACTG953/ACTG954/ACTG955/ACTG956/ACTG957/ACTG958/ACTG959/ACTG960/ACTG961/ACTG962/ACTG963/ACTG964/ACTG965/ACTG966/ACTG967/ACTG968/ACTG969/ACTG970/ACTG971/ACTG972/ACTG973/ACTG974/ACTG975/ACTG976/ACTG977/ACTG978/ACTG979/ACTG980/ACTG981/ACTG982/ACTG983/ACTG984/ACTG985/ACTG986/ACTG987/ACTG988/ACTG989/ACTG990/ACTG991/ACTG992/ACTG993/ACTG994/ACTG995/ACTG996/ACTG997/ACTG998/ACTG999/ACTG1000/ACTG1001/ACTG1002/ACTG1003/ACTG1004/ACTG1005/ACTG1006/ACTG1007/ACTG1008/ACTG1009/ACTG1010/ACTG1011/ACTG1012/ACTG1013/ACTG1014/ACTG1015/ACTG1016/ACTG1017/ACTG1018/ACTG1019/ACTG1020/ACTG1021/ACTG1022/ACTG1023/ACTG1024/ACTG1025/ACTG1026/ACTG1027/ACTG1028/ACTG1029/ACTG1030/ACTG1031/ACTG1032/ACTG1033/ACTG1034/ACTG1035/ACTG1036/ACTG1037/ACTG1038/ACTG1039/ACTG1040/ACTG1041/ACTG1042/ACTG1043/ACTG1044/ACTG1045/ACTG1046/ACTG1047/ACTG1048/ACTG1049/ACTG1050/ACTG1051/ACTG1052/ACTG1053/ACTG1054/ACTG1055/ACTG1056/ACTG1057/ACTG1058/ACTG1059/ACTG1060/ACTG1061/ACTG1062/ACTG1063/ACTG1064/ACTG1065/ACTG1066/ACTG1067/ACTG1068/ACTG1069/ACTG1070/ACTG1071/ACTG1072/ACTG1073/ACTG1074/ACTG1075/ACTG1076/ACTG1077/ACTG1078/ACTG1079/ACTG1080/ACTG1081/ACTG1082/ACTG1083/ACTG1084/ACTG1085/ACTG1086/ACTG1087/ACTG1088/ACTG1089/ACTG1090/ACTG1091/ACTG1092/ACTG1093/ACTG1094/ACTG1095/ACTG1096/ACTG1097/ACTG1098/ACTG1099/ACTG1100/ACTG1101/ACTG1102/ACTG1103/ACTG1104/ACTG1105/ACTG1106/ACTG1107/ACTG1108/ACTG1109/ACTG1110/ACTG1111/ACTG1112/ACTG1113/ACTG1114/ACTG1115/ACTG1116/ACTG1117/ACTG1118/ACTG1119/ACTG1120/ACTG1121/ACTG1122/ACTG1123/ACTG1124/ACTG1125/ACTG1126/ACTG1127/ACTG1128/ACTG1129/ACTG1130/ACTG1131/ACTG1132/ACTG1133/ACTG1134/ACTG1135/ACTG1136/ACTG1137/ACTG1138/ACTG1139/ACTG1140/ACTG1141/ACTG1142/ACTG1143/ACTG1144/ACTG1145/ACTG1146/ACTG1147/ACTG1148/ACTG1149/ACTG1150/ACTG1151/ACTG1152/ACTG1153/ACTG1154/ACTG1155/ACTG1156/ACTG1157/ACTG1158/ACTG1159/ACTG1160/ACTG1161/ACTG1162/ACTG1163/ACTG1164/ACTG1165/ACTG1166/ACTG1167/ACTG1168/ACTG1169/ACTG1170/ACTG1171/ACTG1172/ACTG1173/ACTG1174/ACTG1175/ACTG1176/ACTG1177/ACTG1178/ACTG1179/ACTG1180/ACTG1181/ACTG1182/ACTG1183/ACTG1184/ACTG1185/ACTG1186/ACTG1187/ACTG1188/ACTG1189/ACTG1190/ACTG1191/ACTG1192/ACTG1193/ACTG1194/ACTG1195/ACTG1196/ACTG1197/ACTG1198/ACTG1199/ACTG1200/ACTG1201/ACTG1202/ACTG1203/ACTG1204/ACTG1205/ACTG1206/ACTG1207/ACTG1208/ACTG1209/ACTG1210/ACTG1211/ACTG1212/ACTG1213/ACTG1214/ACTG1215/ACTG1216/ACTG1217/ACTG1218/ACTG1219/ACTG1220/ACTG1221/ACTG1222/ACTG1223/ACTG122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Common	RHSA-380284	Loss of proteins required for interphase microtubule organization from the centrosome	9/10	70/10856	0.00524811	0.01187949	0.005579064	TUBB4A/TUBB/HSPP0AA1/PPP2R1A/WHAG/WHAE/TUBAA4/TUBB4B/TUBA1A	9
Common	RHSA-1545712	Signaling by EGFR in Cancer	5/10	25/10856	0.00546619	0.01282123	0.00546619	HSPP0A1/UBB/UBC/RPS27A/UBA52	5
Common	RHSA-9013507	NOTCH3 Activation and Transmission of Signal to the Nucleus	5/10	25/10856	0.00546619	0.01282123	0.00546619	ADAM10/UBB/UBC/RPS27A/UBA52	5
Common	RHSA-140312	Transcription synthesis by REV1	4/10	16/10856	0.005577418	0.012137288	0.005784447	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-1393289	p75NTR signaling via NF-κB	4/10	16/10856	0.005577418	0.012137288	0.005784447	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-205643	NRF1 signals its death from the nucleus	4/10	16/10856	0.005577418	0.012137288	0.005784447	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-2173791	TGF-beta receptor signaling in EMT (epithelial to mesenchymal transition)	4/10	16/10856	0.005577418	0.012137288	0.005784447	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-392517	Rap1 signaling	4/10	16/10856	0.005577418	0.012137288	0.005784447	YWHAB/RAP1/RAP1A/WHAG	4
Common	RHSA-5684264	MMP3X8 (TP12) dependent MAPK13 activation	4/10	16/10856	0.005577418	0.012137288	0.005784447	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-9651496	Defects of contact activation system (C3) and kallikrein/kinin system (KKS)	4/10	16/10856	0.005577418	0.012137288	0.005784447	F2/10/LKX1/SBRPM1	4
Common	RHSA-9617178	Diseases of metabolism	4/10	16/10856	0.005577418	0.012137288	0.005784447	F2/10/LKX1/SBRPM1	4
Common	RHSA-975163	IRAK2 mediated activation of TAK1 complex upon TRAF7 or 9 stimulation	4/10	16/10856	0.005577418	0.012137288	0.005784447	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-390522	Striated muscle contraction	6/10	36/10856	0.006129917	0.013446421	0.00213399	VM/DC/ACTN2/ACTA1/ACTA2/ACTN1	6
Common	RHSA-9811409	Class IIaMHC mediated antigen processing & presentation	6/10	36/10856	0.006129917	0.013446421	0.00213399	VM/DC/ACTN2/ACTA1/ACTA2/ACTN1	6
Common	RHSA-1169408	IG51 antiviral mechanism	9/10	72/10856	0.006129917	0.013446421	0.00213399	VM/DC/ACTN2/ACTA1/ACTA2/ACTN1	9
Common	RHSA-8854118	ALPKA Activation by TP52	9/10	72/10856	0.006129917	0.013446421	0.00213399	VM/DC/ACTN2/ACTA1/ACTA2/ACTN1	9
Common	RHSA-5656882	Transcription synthesis by POLK	9/10	72/10856	0.006129917	0.013446421	0.00213399	VM/DC/ACTN2/ACTA1/ACTA2/ACTN1	9
Common	RHSA-5656121	Transcription synthesis by POL1	9/10	72/10856	0.006129917	0.013446421	0.00213399	VM/DC/ACTN2/ACTA1/ACTA2/ACTN1	9
Common	RHSA-70221	Glycogen breakdown (glycogenolysis)	4/10	17/10856	0.007026759	0.01261016	0.007166881	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-937763	TRAF6-mediated induction of TAK1 complex within TR4 complex	4/10	17/10856	0.007026759	0.01261016	0.007166881	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-8951664	Neddylation	20/10	204/10856	0.007068203	0.01353832	0.00712257	PSMA7/UBB/UBC/PSMB1/PSMA1/PSMA2/PSMA3/PSMA4/PSMA5/PSMA6/PSMB6/PSMB7/PSMB8/PSMB9/PSMB10/PSMA11	20
Common	RHSA-2029482	Regulation of actin dynamics for phagocytic cup formation	8/10	61/10856	0.007380765	0.01596386	0.007468482	HSPP0A1/HSPP0B1/CCL1/VNHO/ACT1/CDC42/ACTG1/ACTG1	8
Common	RHSA-5628897	TP53 Regulates Metabolic Cycles	10/10	87/10856	0.00744842	0.016076939	0.007550055	GF1/WHAG/WHAB/SPN/PRDX2/VNHO/WHAG/WHAZ/VNHAH/PRDX1	10
Common	RHSA-54152	Ribosome signaling	5/10	27/10856	0.00745128	0.01649838	0.007747972	GFY/PLN/RAP1B/RAP1A/PLN1	5
Common	RHSA-5648002	RAS processing	5/10	27/10856	0.00745128	0.01649838	0.007747972	GFY/PLN/RAP1B/RAP1A/PLN1	5
Common	RHSA-112314	Neurotransmitter receptors and postsynaptic signal transmission	18/10	205/10856	0.007911203	0.014971067	0.007969556	TUBAL3/TUBB4A/NFEL/CALM1/ACTN2/TUBA18/TUBAA4/TUBB4B/TUBB3/TUBB4/TUBB8/TUBA18/TUBA19/TUBA1	18
Common	RHSA-5696394	DNA Damage Recognition in GG-NER	6/10	36/10856	0.008020215	0.01130844	0.00804949	UBB/UBC/ACTB/RPS27A/UBA52/RUVB1	6
Common	RHSA-2022177	Metabolism of Angiotensinogen to Angiotensin	4/10	18/10856	0.008704515	0.018521371	0.00808801	COL1A1/COL1A2/COL4A2/COL2L	4
Common	RHSA-242819	Crosslinking of collagen fibrils	4/10	18/10856	0.008704515	0.018521371	0.00808801	COL1A1/COL1A2/COL4A2/COL2L	4
Common	RHSA-918964	Activation of the Rb1/Myf1 mediated by TERT/TKX1/PCNA	4/10	18/10856	0.008704515	0.018521371	0.00808801	COL1A1/COL1A2/COL4A2/COL2L	4
Common	RHSA-146435	Sulfur amino acid metabolism	5/10	28/10856	0.008912133	0.01527225	0.00924949	IGS1/UBB/UBC/PCP/RPS27A/UBA52	5
Common	RHSA-2022854	Keratin sulfate biosynthesis	5/10	28/10856	0.008912133	0.01527225	0.00924949	IGS1/UBB/UBC/PCP/RPS27A/UBA52	5
Common	RHSA-110131	Transcription synthesis by Family DNA polymerases by-passes lesions on DNA template	6/10	30/10856	0.009132665	0.015098179	0.009220641	UBB/UBC/MGAT1/UBC/RPS27A/UBA52/GANAB	6
Common	RHSA-381183	ATF6 (ATF6-alpha) activates chaperone genes	3/10	10/10856	0.00965246	0.020140164	0.009552152	HSFAS/HSPOB1/CALR	3
Common	RHSA-162588	Building and maturation of HIV virion	5/10	29/10856	0.010453894	0.021844891	0.010258802	UBB/UBC/PCP/RPS27A/UBA52	5
Common	RHSA-205647	Mitochondria	5/10	29/10856	0.010453894	0.021844891	0.010258802	UBB/UBC/PCP/RPS27A/UBA52	5
Common	RHSA-5654732	Negative regulation of FGFR3 signaling	5/10	29/10856	0.010453894	0.021844891	0.010258802	UBB/UBC/PCP/RPS27A/UBA52	5
Common	RHSA-8863795	Downregulation of ERBB3 signaling	5/10	29/10856	0.010453894	0.021844891	0.010258802	UBB/UBC/PCP/RPS27A/UBA52	5
Common	RHSA-680470	Regulation of TP53 Activity through Methylation	5/10	29/10856	0.010453894	0.021844891	0.010258802	UBB/UBC/PCP/RPS27A/UBA52	5
Common	RHSA-5375956	TNFRI1-induced NF-κB signaling pathway	5/10	30/10856	0.010272063	0.020574624	0.011761939	UBB/UBC/RPS27A/UBA52/RACK1	5
Common	RHSA-8865652	Cell surface interaction of CD44 and CD44v1	5/10	30/10856	0.010272063	0.020574624	0.011761939	UBB/UBC/RPS27A/UBA52/RACK1	5
Common	RHSA-2027783	Cell surface interaction of the vacuolar v-	13/10	137/10856	0.012214736	0.023226885	0.011892044	SLC16A3/R2/COL1A1/PLN/APP0B1/ITGA3/COL1A2/C3A2/MT/ITGA3/GPC1/PP3A/SLC7A5	13
Common	RHSA-9662361	Sensory processing of sound by outer hair cells of the cochlea	7/10	54/10856	0.012658903	0.026193557	0.012302103	GSN/NEMLN/ROXN/WHYH/CAPZ1/ACTG1	7
Common	RHSA-1489317	TICAM1, IRF3-mediated IRK complex recruitment	7/10	54/10856	0.012658903	0.026193557	0.012302103	GSN/NEMLN/ROXN/WHYH/CAPZ1/ACTG1	7
Common	RHSA-3560783	Defective BAGAL7 causes EDS, progeroid type	4/10	20/10856	0.012796586	0.026214751	0.012310977	AGRN/VCAN/GPC1/HSFG2	4
Common	RHSA-1560001	Defective BAG3/7 causes IDSSHD	4/10	20/10856	0.012796586	0.026214751	0.012310977	AGRN/VCAN/GPC1/HSFG2	4
Common	RHSA-420132	Defective BAG3/7 causes IDSSHD and SEMO1L1	4/10	20/10856	0.012796586	0.026214751	0.012310977	AGRN/VCAN/GPC1/HSFG2	4
Common	RHSA-8876184	Listeria monocytogenes infection host cells	4/10	20/10856	0.012796586	0.026214751	0.012310977	AGRN/VCAN/GPC1/HSFG2	4
Common	RHSA-139085	Digestion of dietary carbohydrate	3/10	11/10856	0.012819988	0.026124751	0.012310977	AMT1A/AMT2A/AMT2B	3
Common	RHSA-1489128	CDK5/IKK1-mediated inhibition of interferon alpha/beta	5/10	31/10856	0.013822085	0.027997776	0.013148311	AGRN/VCAN/GPC1/HSFG2	5
Common	RHSA-1483016	Glycosaminoglycan metabolism	12/10	124/10856	0.013822085	0.027997776	0.013148311	AGRN/VCAN/GPC1/HSFG2	12
Common	RHSA-129271	EGFR downregulation	5/10	31/10856	0.013822085	0.027997776	0.013148311	AGRN/VCAN/GPC1/HSFG2	5
Common	RHSA-2022208	HS-CAGC biosynthesis	5/10	31/10856	0.013822085	0.027997776	0.013148311	AGRN/VCAN/GPC1/HSFG2	5
Common	RHSA-3395642	Uptake and action of bacterial toxins	5/10	31/10856	0.013822085	0.027997776	0.013148311	AGRN/VCAN/GPC1/HSFG2	5
Common	RHSA-5654733	Negative regulation of FGFR4 signaling	5/10	31/10856	0.013822085	0.027997776	0.013148311	AGRN/VCAN/GPC1/HSFG2	5
Common	RHSA-109606	Intrinsic Pathway for Apoptosis	7/10	50/10856	0.013937609	0.028116245	0.013203956	WHAG/WHAB/WHAC/WHAD/WHAE/WHAF/WHAG/WHAB/WHAC/WHAD/WHAE/WHAF/WHAG/WHAB/WHAC/WHAD/WHAE/WHAF	7
Common	RHSA-1257044	PI3P activates AKT signaling	21/10	267/10856	0.014402518	0.029003186	0.013620482	PSMA7/UBB/UBC/PSMB1/PSMA1/PSMA2/PSMA3/PSMA4/PSMA5/PSMA6/PSMB6/PSMB7/PSMB8/PSMB9/PSMB10/PSMA11	21
Common	RHSA-3802701	Recruitment of mitotic centrosome proteins and complexes	9/10	82/10856	0.014402518	0.029003186	0.013620482	PSMA7/UBB/UBC/PSMB1/PSMA1/PSMA2/PSMA3/PSMA4/PSMA5/PSMA6/PSMB6/PSMB7/PSMB8/PSMB9/PSMB10/PSMA11	9
Common	RHSA-380287	Centrosome structure	9/10	82/10856	0.014402518	0.029003186	0.013620482	PSMA7/UBB/UBC/PSMB1/PSMA1/PSMA2/PSMA3/PSMA4/PSMA5/PSMA6/PSMB6/PSMB7/PSMB8/PSMB9/PSMB10/PSMA11	9
Common	RHSA-4611263	Regulation of EZD by ubiquitination	4/10	21/10856	0.015233412	0.030379941	0.014247034	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-4607004	Regulation of NFE2L3 activity	4/10	21/10856	0.015233412	0.030379941	0.014247034	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-901032	ER Quality Control Compartment (ERQC)	4/10	21/10856	0.015233412	0.030379941	0.014247034	UBB/UBC/RPS27A/UBA52	4
Common	RHSA-2173796	SMAD2/SMAD3/SMAD4 heterotrimer regulates transcription	5/10	32/10856	0.015800472	0.031391468	0.014742067	SEPPIN1/UBB/UBC/RPS27A/UBA52	5
Common	RHSA-5656169	Termination of transcription DNA synthesis	5/10	32/10856	0.015800472	0.031391468	0.014742067	SEPPIN1/UBB/UBC/RPS27A/UBA52	5
Common	RHSA-123215	Translocation across Chemical Synapses	21/10	270/10856	0.016156281	0.031985076	0.015020837	TUBAL3/TUBB4A/NFEL/CALM1/HSFAB/ACHE/ACTN2/CACNA1D/TUBA18/TUBA19/TUBB4/TUBB8/TUBA18/TUBA19/TUBA1	21
Common	RHSA-9694835	Transmission of structural proteins	4/10	44/10856	0.016160218	0.031985076	0.015020837	UBB/UBC/MGAT1/RPS27A/UBA52/GANAB	4
Common	RHSA-339392	Regulation of nucleotides and free purine and pyrimidine bases across the plasma membrane	6/10	45/10856	0.017900079	0.030510151	0.016461057	PNL2/NTN1/RLK1/RLK2/EMBP1/ICM12	6
Common	RHSA-5218859	Regulated Necrosis	7/10	57/10856	0.017665011	0.032057324	0.015524387	SDCBP/HSPO0A1/HNKB3/UBB/UBC/RPS27A/UBA52	7
Common	RHSA-5654726	Negative regulation of FGFR3 signaling	5/10	31/10856	0.01792311	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	5
Common	RHSA-1566488	Elastic fiber formation	4/10	45/10856	0.01792311	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-8862803	Deregulated CDK5 triggers multiple neurodegenerative pathways in Alzheimer's disease models	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-8863678	Neurodegenerative diseases	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-126131	Regulation of signaling by CBL	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-8862803	Deregulated CDK5 triggers multiple neurodegenerative pathways in Alzheimer's disease models	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-8863678	Neurodegenerative diseases	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-126131	Regulation of signaling by CBL	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-8862803	Deregulated CDK5 triggers multiple neurodegenerative pathways in Alzheimer's disease models	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-8863678	Neurodegenerative diseases	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-126131	Regulation of signaling by CBL	4/10	22/10856	0.017943607	0.030510151	0.016461057	APP/PRDX2/WHHAH/PRDX1	4
Common	RHSA-8862803								

CSC	RHSA-2029481	EGFR activation	5/435	12/10856	6.329946e-05	0.000490635	0.000322728	FYN/YES1/YN/HCX/FGFR	5
CSC	RHSA-1165091	Activation of NF- κ B in cells	5/435	6/710856	0.00000044	0.000000044	0.000000044	PSMD12/PSMD3/PSMC3/PSMC4/PSMD8/PSMD7/PSM3/PSMC5/PSMD2/PSMD1/PSMD13	12
CSC	RHSA-1257064	PIP3 activates AKT signaling	25/435	26/710856	6.938797e-05	0.000306666	0.000349059	PSMD12/PSMD3/EGFR/LCK/FYN/FGFR1/RAC2/PSMC3/FGFR2/FGFR4/FGFR3/PPP2R1B/PSMCA4/PSMD8/PSMD7/PSM3	25
CSC	RHSA-174154	APC/C-Cdc20 mediated degradation of Securin	13/435	68/10856	7.33116e-05	0.000556862	0.000362829	PSMD12/PSMD3/PSMC3/PSMC4/PSMD8/PSMD7/PSM3/PSMC5/PSMD2/PSMD1/PSMD13	11
CSC	RHSA-182429	Innate immune system	9/335	1060/10856	9.333333e-05	0.000000000	0.000000000	PSMD12/PSMD3/PSMC3/PSMC4/PSMD8/PSMD7/PSM3/PSMC5/PSMD2/PSMD1/PSMD13/YN/HCX/EGFR/PT	47
CSC	RHSA-8878159	Transcriptional regulation by RUNX3	13/435	96/10856	0.00011623	0.000836418	0.00050178	PSMD12/PSMD3/PSMC3/PSMC4/PSMD8/PSMD7/PSM3/PSMC5/PSMD2/PSMD1/PSMD13	13
CSC	RHSA-9009295	Intracellular signaling by second messengers	27/435	309/10856	0.000116926	0.000870727	0.00052447	PSMD12/PSMD3/EGFR/LCK/FYN/FGFR1/FGFR2/FGFR3/FGFR4/FGFR5/PPP2R1B/PSMCA4/PSMD8/PSMD7	27
CSC	RHSA-49371	Cell Cycle: Mitotic	9/435	96/10856	0.000116926	0.000870727	0.00052447	PSMD12/PSMD3/PSMC3/PSMC4/PSMD8/PSMD7/PSM3/PSMC5/PSMD2/PSMD1/PSMD13/YN/HCX/EGFR/PT	47
CSC	RHSA-202424	Downstream TRC signaling	13/435	98/10856	0.0001188205	0.001304496	0.000806611	PSMD12/PSMD3/LCK/PSMC3/PSMC4/PSMD8/PSMD7/PSM3/PSMC5/PSMD2/JUB1/PSMD13	13
CSC	RHSA-839902	Regulation of RUNX2 expression and activity	13/435	73/10856	0.00012426	0.001336957	0.000820028	PSMD12/PSMD3/PSMC3/PSMC4/PSMD8/PSMD7/PSM3/PSMC5/PSMD2/PSMD1/PSMD13	11
CSC	RHSA-126258	Golgi Cis/Trans Pericentriolar Stack Reorganization	5/435	14/10856	0.00014984	0.00107792	0.00079901	GNAT3/CEB1/CEB2/CEB3/CEB4/CEB5/CEB6/CEB7/CEB8/CEB9/CEB10/CEB11/CEB12/CEB13/CEB14/CEB15/CEB16/CEB17/CEB18/CEB19/CEB20/CEB21/CEB22/CEB23/CEB24/CEB25/CEB26/CEB27/CEB28/CEB29/CEB30/CEB31/CEB32/CEB33/CEB34/CEB35/CEB36/CEB37/CEB38/CEB39/CEB40/CEB41/CEB42/CEB43/CEB44/CEB45/CEB46/CEB47/CEB48/CEB49/CEB50/CEB51/CEB52/CEB53/CEB54/CEB55/CEB56/CEB57/CEB58/CEB59/CEB60/CEB61/CEB62/CEB63/CEB64/CEB65/CEB66/CEB67/CEB68/CEB69/CEB70/CEB71/CEB72/CEB73/CEB74/CEB75/CEB76/CEB77/CEB78/CEB79/CEB80/CEB81/CEB82/CEB83/CEB84/CEB85/CEB86/CEB87/CEB88/CEB89/CEB90/CEB91/CEB92/CEB93/CEB94/CEB95/CEB96/CEB97/CEB98/CEB99/CEB100/CEB101/CEB102/CEB103/CEB104/CEB105/CEB106/CEB107/CEB108/CEB109/CEB110/CEB111/CEB112/CEB113/CEB114/CEB115/CEB116/CEB117/CEB118/CEB119/CEB120/CEB121/CEB122/CEB123/CEB124/CEB125/CEB126/CEB127/CEB128/CEB129/CEB130/CEB131/CEB132/CEB133/CEB134/CEB135/CEB136/CEB137/CEB138/CEB139/CEB140/CEB141/CEB142/CEB143/CEB144/CEB145/CEB146/CEB147/CEB148/CEB149/CEB150/CEB151/CEB152/CEB153/CEB154/CEB155/CEB156/CEB157/CEB158/CEB159/CEB160/CEB161/CEB162/CEB163/CEB164/CEB165/CEB166/CEB167/CEB168/CEB169/CEB170/CEB171/CEB172/CEB173/CEB174/CEB175/CEB176/CEB177/CEB178/CEB179/CEB180/CEB181/CEB182/CEB183/CEB184/CEB185/CEB186/CEB187/CEB188/CEB189/CEB190/CEB191/CEB192/CEB193/CEB194/CEB195/CEB196/CEB197/CEB198/CEB199/CEB200/CEB201/CEB202/CEB203/CEB204/CEB205/CEB206/CEB207/CEB208/CEB209/CEB210/CEB211/CEB212/CEB213/CEB214/CEB215/CEB216/CEB217/CEB218/CEB219/CEB220/CEB221/CEB222/CEB223/CEB224/CEB225/CEB226/CEB227/CEB228/CEB229/CEB230/CEB231/CEB232/CEB233/CEB234/CEB235/CEB236/CEB237/CEB238/CEB239/CEB240/CEB241/CEB242/CEB243/CEB244/CEB245/CEB246/CEB247/CEB248/CEB249/CEB250/CEB251/CEB252/CEB253/CEB254/CEB255/CEB256/CEB257/CEB258/CEB259/CEB260/CEB261/CEB262/CEB263/CEB264/CEB265/CEB266/CEB267/CEB268/CEB269/CEB270/CEB271/CEB272/CEB273/CEB274/CEB275/CEB276/CEB277/CEB278/CEB279/CEB280/CEB281/CEB282/CEB283/CEB284/CEB285/CEB286/CEB287/CEB288/CEB289/CEB290/CEB291/CEB292/CEB293/CEB294/CEB295/CEB296/CEB297/CEB298/CEB299/CEB300/CEB301/CEB302/CEB303/CEB304/CEB305/CEB306/CEB307/CEB308/CEB309/CEB310/CEB311/CEB312/CEB313/CEB314/CEB315/CEB316/CEB317/CEB318/CEB319/CEB320/CEB321/CEB322/CEB323/CEB324/CEB325/CEB326/CEB327/CEB328/CEB329/CEB330/CEB331/CEB332/CEB333/CEB334/CEB335/CEB336/CEB337/CEB338/CEB339/CEB340/CEB341/CEB342/CEB343/CEB344/CEB345/CEB346/CEB347/CEB348/CEB349/CEB350/CEB351/CEB352/CEB353/CEB354/CEB355/CEB356/CEB357/CEB358/CEB359/CEB360/CEB361/CEB362/CEB363/CEB364/CEB365/CEB366/CEB367/CEB368/CEB369/CEB370/CEB371/CEB372/CEB373/CEB374/CEB375/CEB376/CEB377/CEB378/CEB379/CEB380/CEB381/CEB382/CEB383/CEB384/CEB385/CEB386/CEB387/CEB388/CEB389/CEB390/CEB391/CEB392/CEB393/CEB394/CEB395/CEB396/CEB397/CEB398/CEB399/CEB400/CEB401/CEB402/CEB403/CEB404/CEB405/CEB406/CEB407/CEB408/CEB409/CEB410/CEB411/CEB412/CEB413/CEB414/CEB415/CEB416/CEB417/CEB418/CEB419/CEB420/CEB421/CEB422/CEB423/CEB424/CEB425/CEB426/CEB427/CEB428/CEB429/CEB430/CEB431/CEB432/CEB433/CEB434/CEB435/CEB436/CEB437/CEB438/CEB439/CEB440/CEB441/CEB442/CEB443/CEB444/CEB445/CEB446/CEB447/CEB448/CEB449/CEB450/CEB451/CEB452/CEB453/CEB454/CEB455/CEB456/CEB457/CEB458/CEB459/CEB460/CEB461/CEB462/CEB463/CEB464/CEB465/CEB466/CEB467/CEB468/CEB469/CEB470/CEB471/CEB472/CEB473/CEB474/CEB475/CEB476/CEB477/CEB478/CEB479/CEB480/CEB481/CEB482/CEB483/CEB484/CEB485/CEB486/CEB487/CEB488/CEB489/CEB490/CEB491/CEB492/CEB493/CEB494/CEB495/CEB496/CEB497/CEB498/CEB499/CEB500/CEB501/CEB502/CEB503/CEB504/CEB505/CEB506/CEB507/CEB508/CEB509/CEB510/CEB511/CEB512/CEB513/CEB514/CEB515/CEB516/CEB517/CEB518/CEB519/CEB520/CEB521/CEB522/CEB523/CEB524/CEB525/CEB526/CEB527/CEB528/CEB529/CEB530/CEB531/CEB532/CEB533/CEB534/CEB535/CEB536/CEB537/CEB538/CEB539/CEB540/CEB541/CEB542/CEB543/CEB544/CEB545/CEB546/CEB547/CEB548/CEB549/CEB550/CEB551/CEB552/CEB553/CEB554/CEB555/CEB556/CEB557/CEB558/CEB559/CEB560/CEB561/CEB562/CEB563/CEB564/CEB565/CEB566/CEB567/CEB568/CEB569/CEB570/CEB571/CEB572/CEB573/CEB574/CEB575/CEB576/CEB577/CEB578/CEB579/CEB580/CEB581/CEB582/CEB583/CEB584/CEB585/CEB586/CEB587/CEB588/CEB589/CEB590/CEB591/CEB592/CEB593/CEB594/CEB595/CEB596/CEB597/CEB598/CEB599/CEB600/CEB601/CEB602/CEB603/CEB604/CEB605/CEB606/CEB607/CEB608/CEB609/CEB610/CEB611/CEB612/CEB613/CEB614/CEB615/CEB616/CEB617/CEB618/CEB619/CEB620/CEB621/CEB622/CEB623/CEB624/CEB625/CEB626/CEB627/CEB628/CEB629/CEB630/CEB631/CEB632/CEB633/CEB634/CEB635/CEB636/CEB637/CEB638/CEB639/CEB640/CEB641/CEB642/CEB643/CEB644/CEB645/CEB646/CEB647/CEB648/CEB649/CEB650/CEB651/CEB652/CEB653/CEB654/CEB655/CEB656/CEB657/CEB658/CEB659/CEB660/CEB661/CEB662/CEB663/CEB664/CEB665/CEB666/CEB667/CEB668/CEB669/CEB670/CEB671/CEB672/CEB673/CEB674/CEB675/CEB676/CEB677/CEB678/CEB679/CEB680/CEB681/CEB682/CEB683/CEB684/CEB685/CEB686/CEB687/CEB688/CEB689/CEB690/CEB691/CEB692/CEB693/CEB694/CEB695/CEB696/CEB697/CEB698/CEB699/CEB700/CEB701/CEB702/CEB703/CEB704/CEB705/CEB706/CEB707/CEB708/CEB709/CEB710/CEB711/CEB712/CEB713/CEB714/CEB715/CEB716/CEB717/CEB718/CEB719/CEB720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