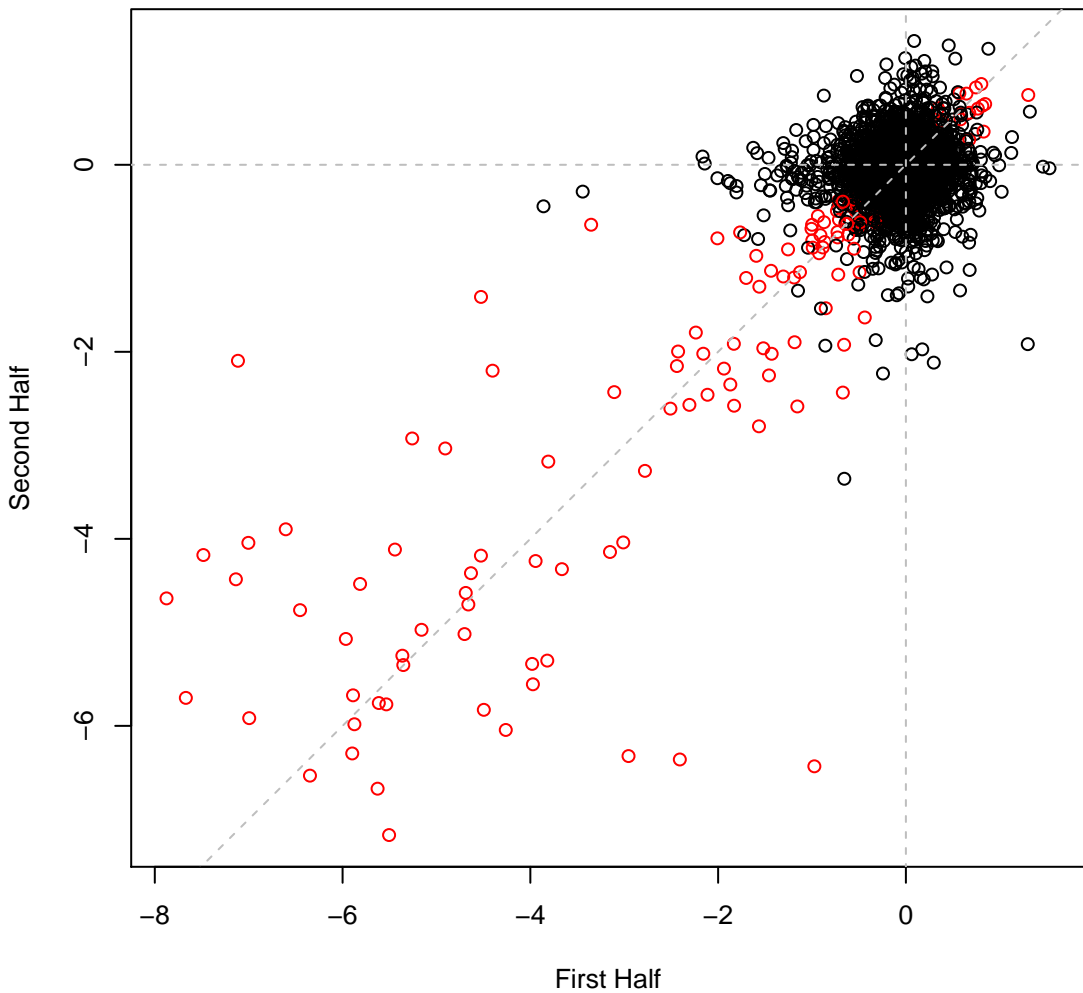
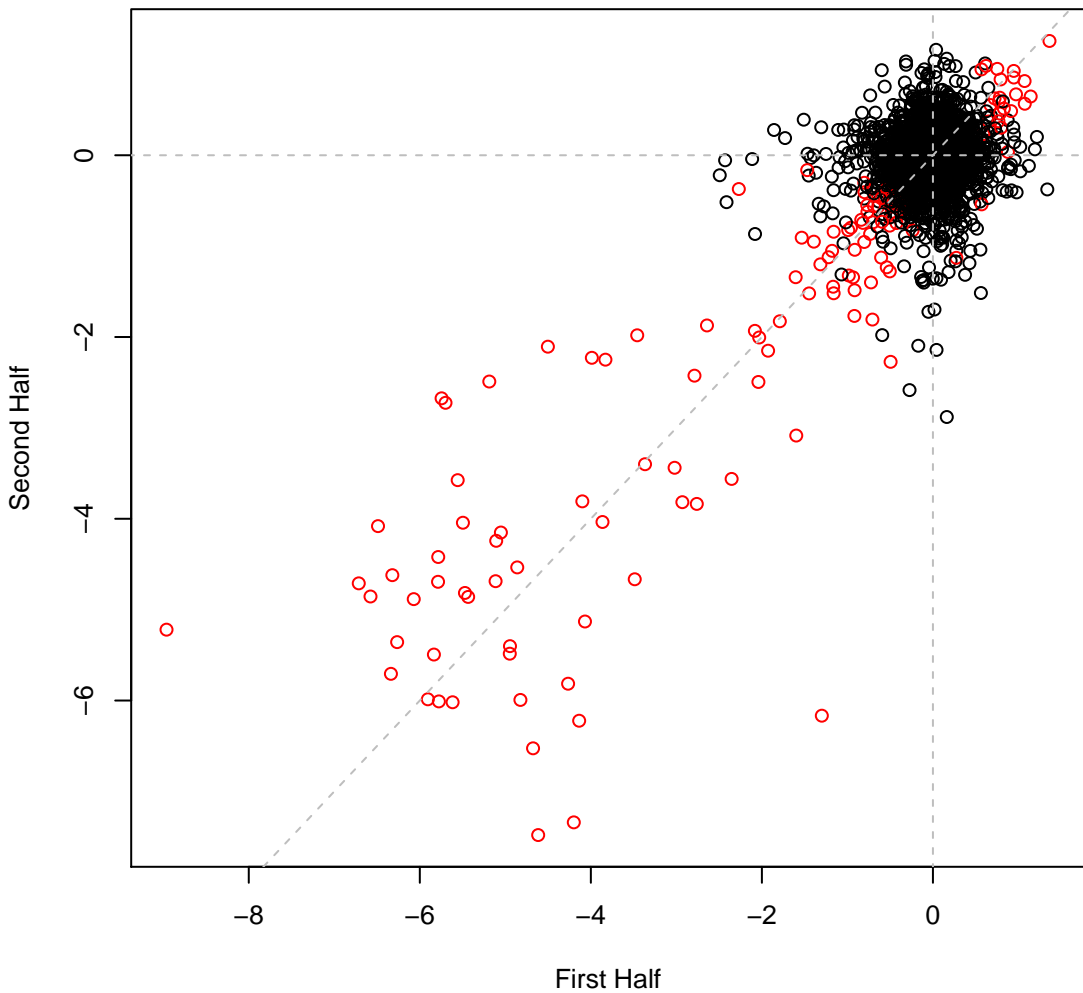


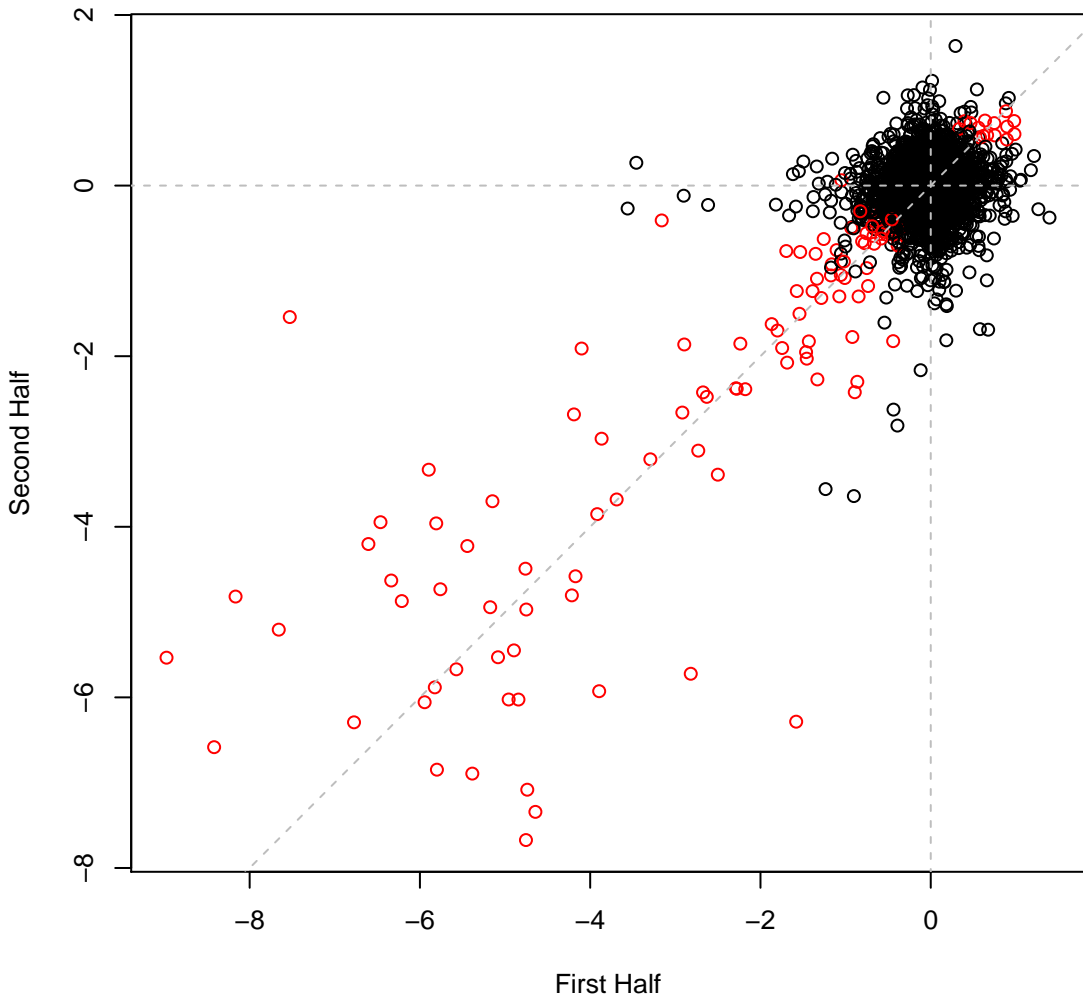
**BFirm set1IT001 #1 (gMed=150 rho12=0.183)**  
**D-Glucose (C)**



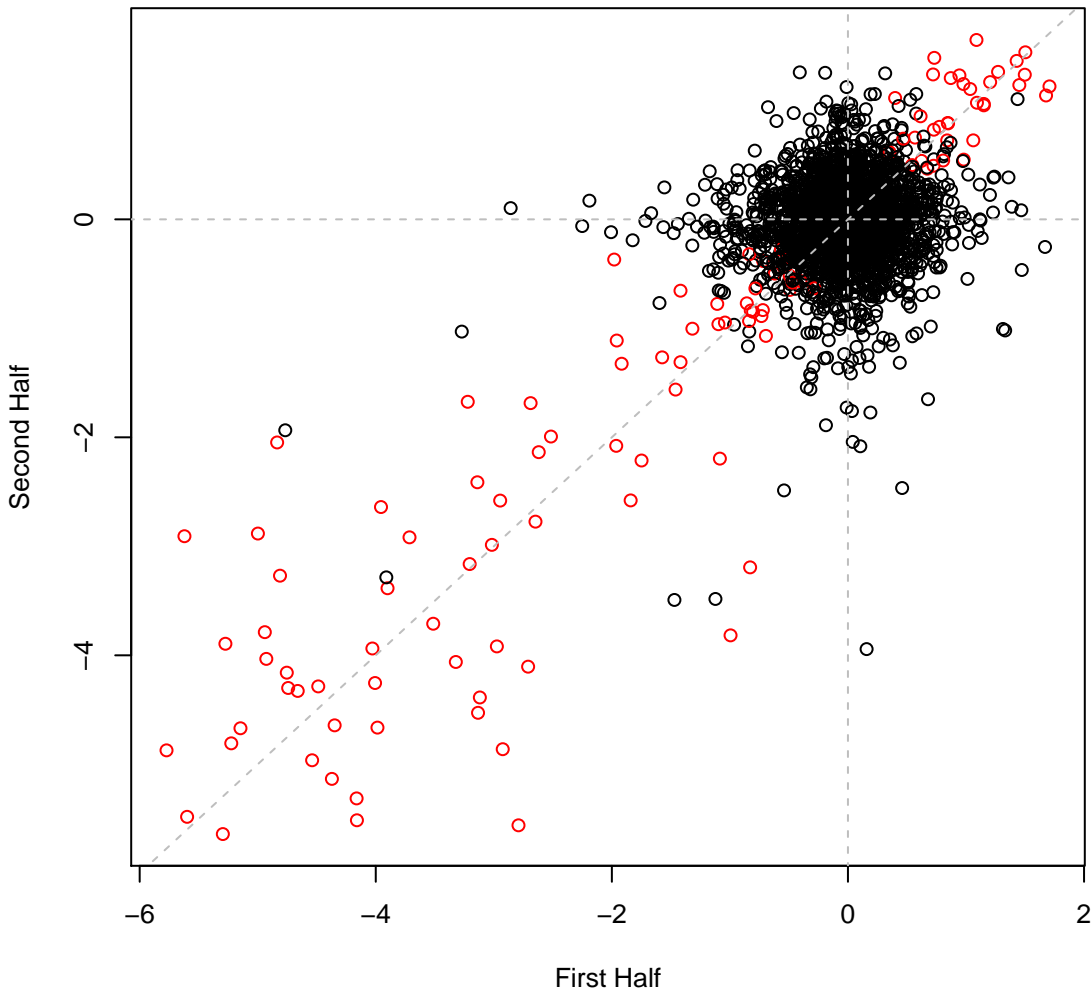
**BFirm set1IT002 #2 (gMed=200 rho12=0.147)**  
**D-Fructose (C)**



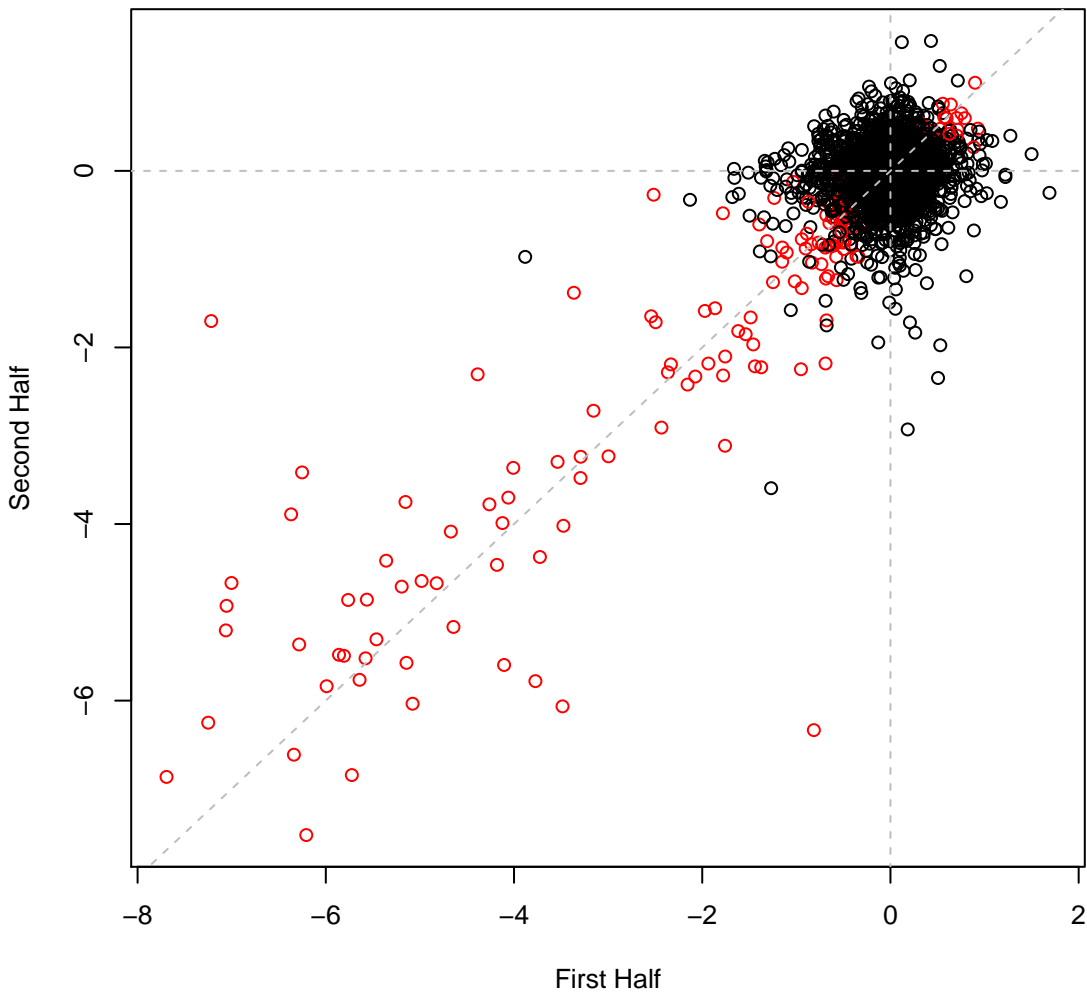
**BFirm set1IT003 #3 (gMed=208 rho12=0.193)**  
**Sucrose (C)**



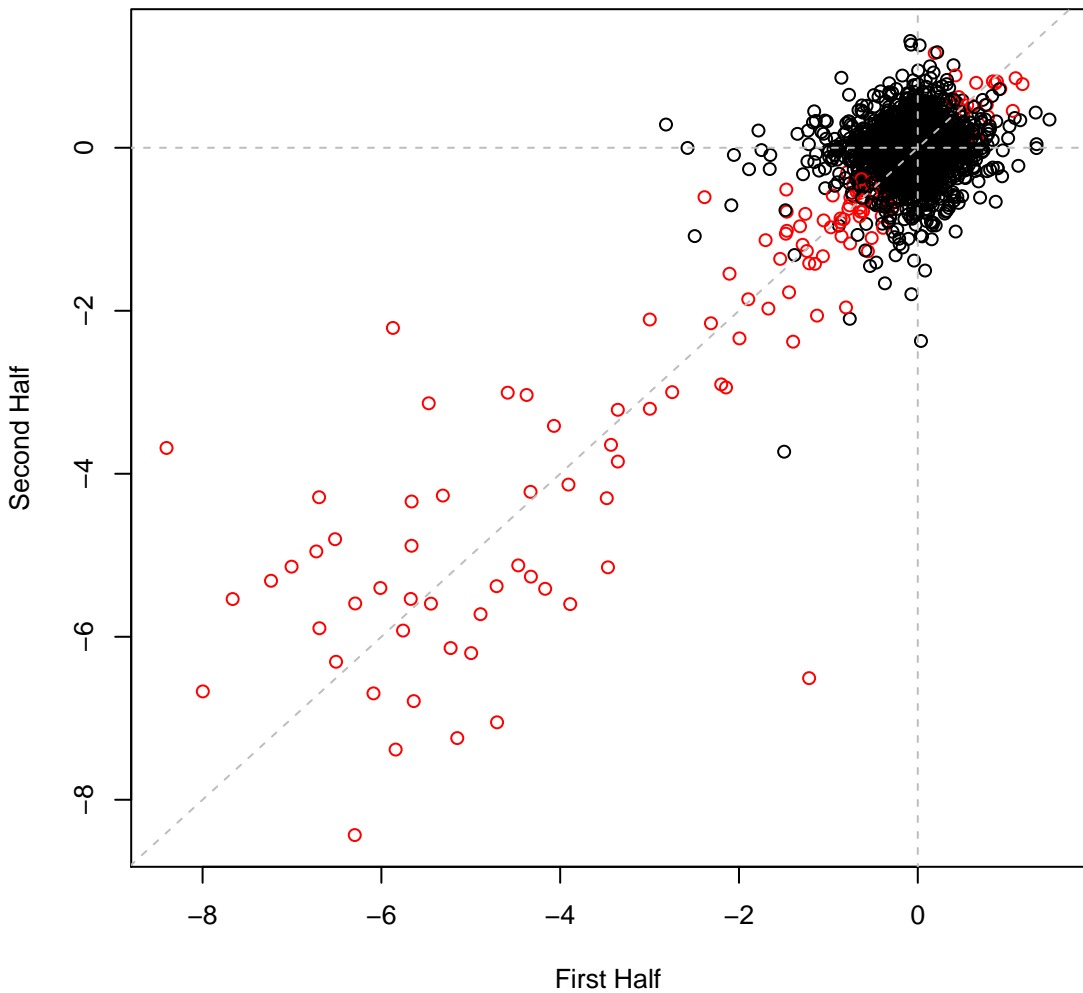
**BFirm set1IT004 #4 (gMed=192 rho12=0.145)**  
**L-Arabinose (C)**



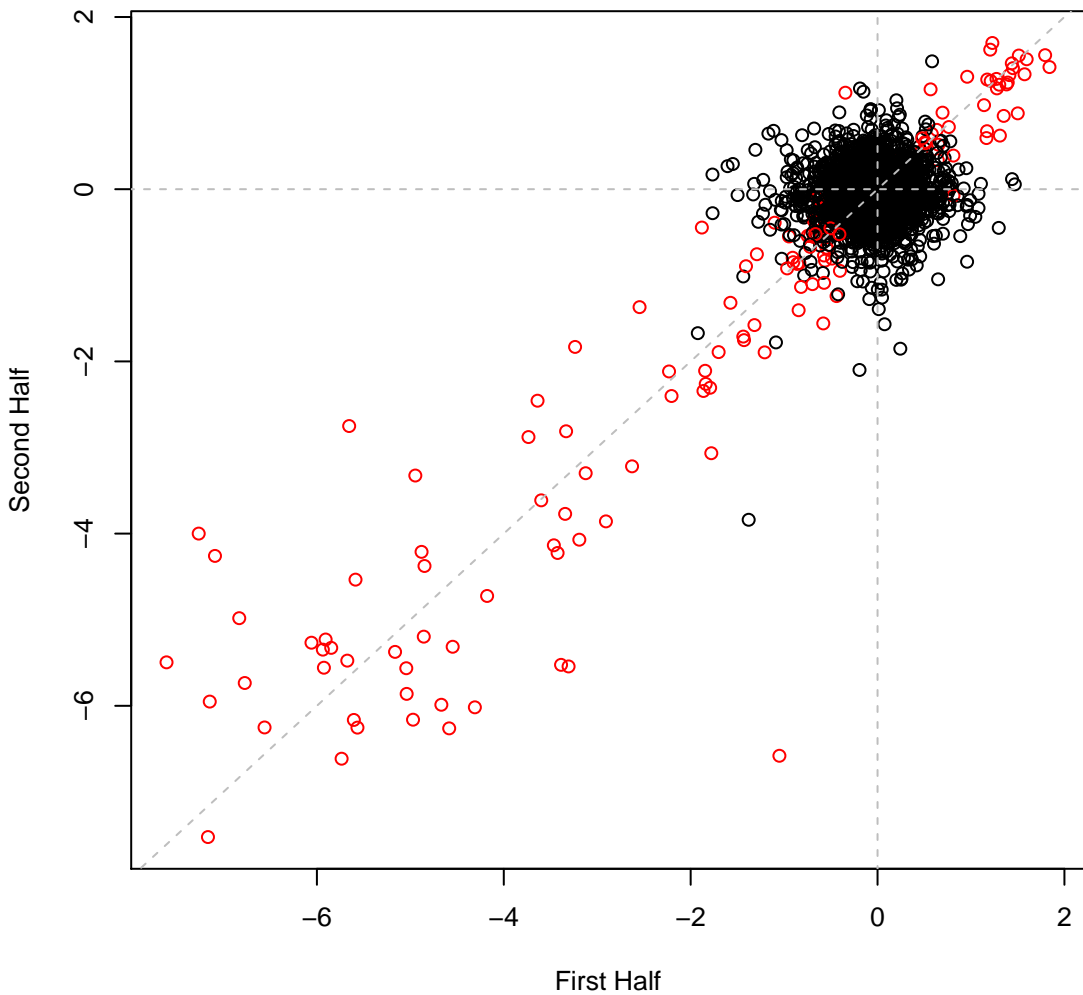
**BFirm set1IT005 #5 (gMed=204 rho12=0.219)**  
**D-Galactose (C)**



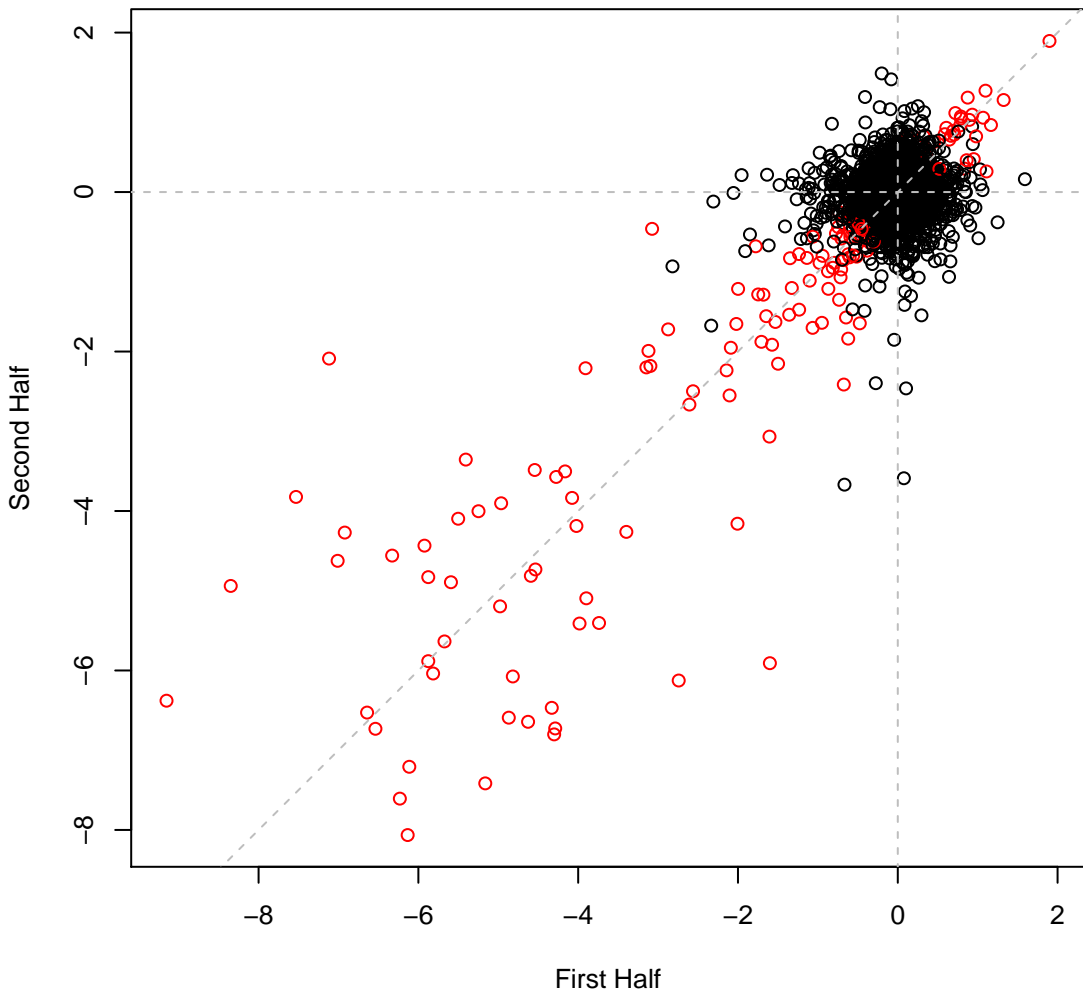
**BFirm set1IT006 #6 (gMed=236 rho12=0.201)**  
**L-Rhamnose (C)**



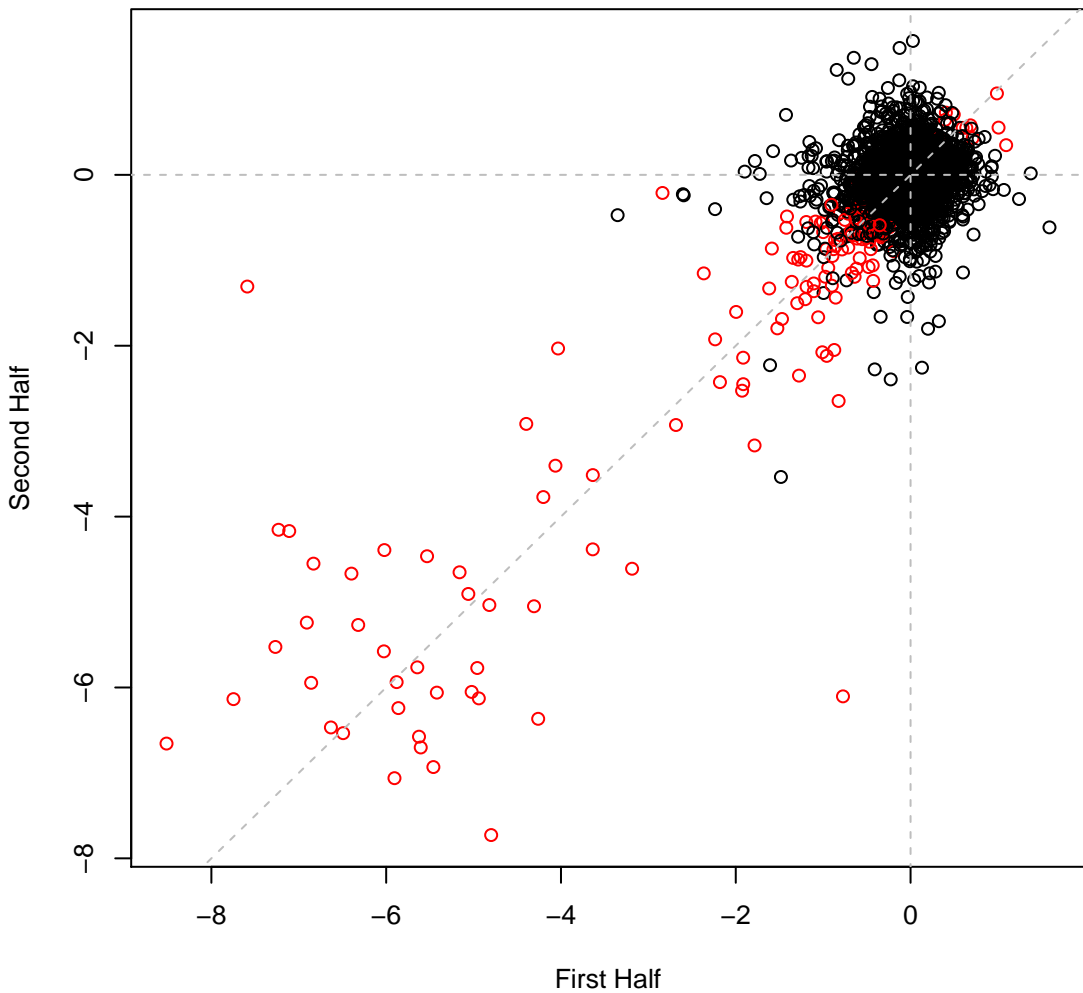
**BFirm set1IT007 #7 (gMed=215 rho12=0.168)**  
**D-Ribose (C)**



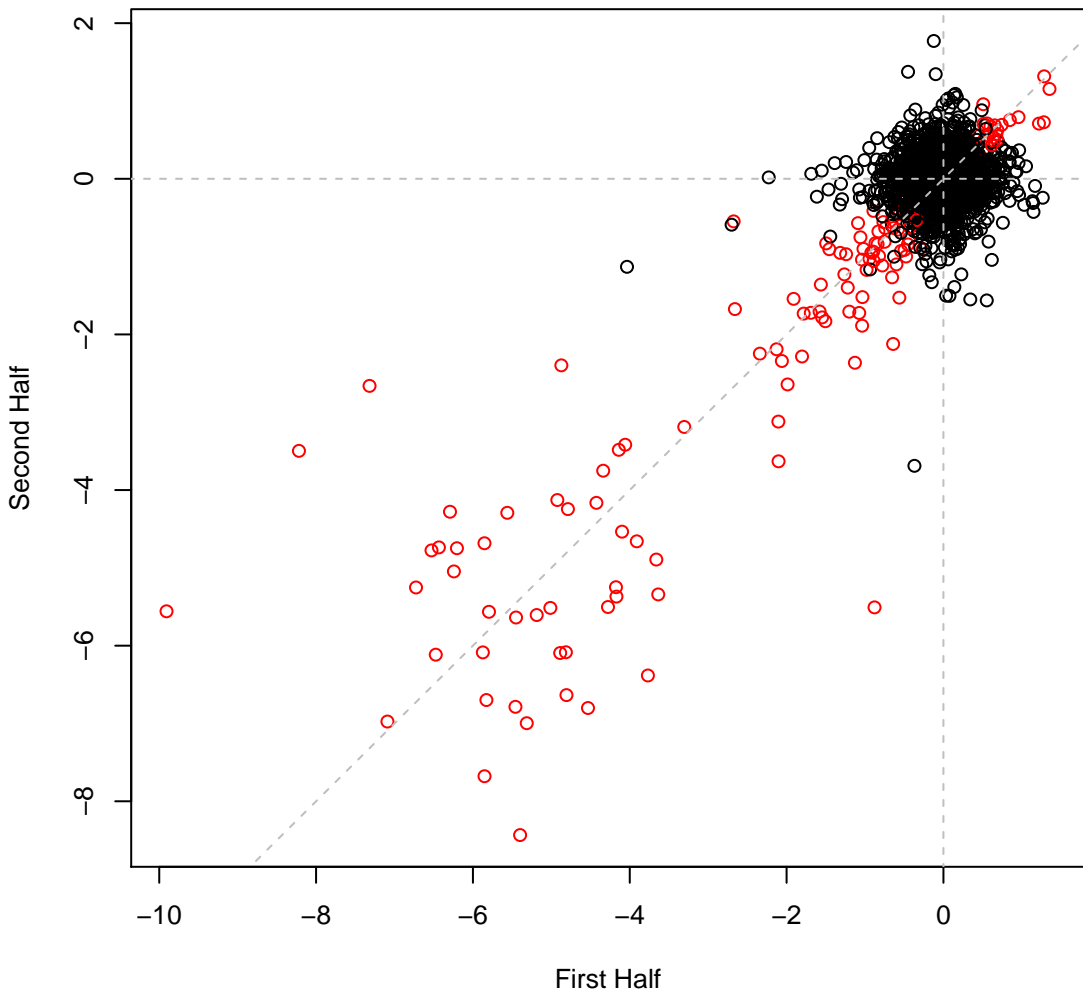
**BFirm set1IT008 #8 (gMed=245 rho12=0.185)**  
**D-Gluconic Acid (C)**



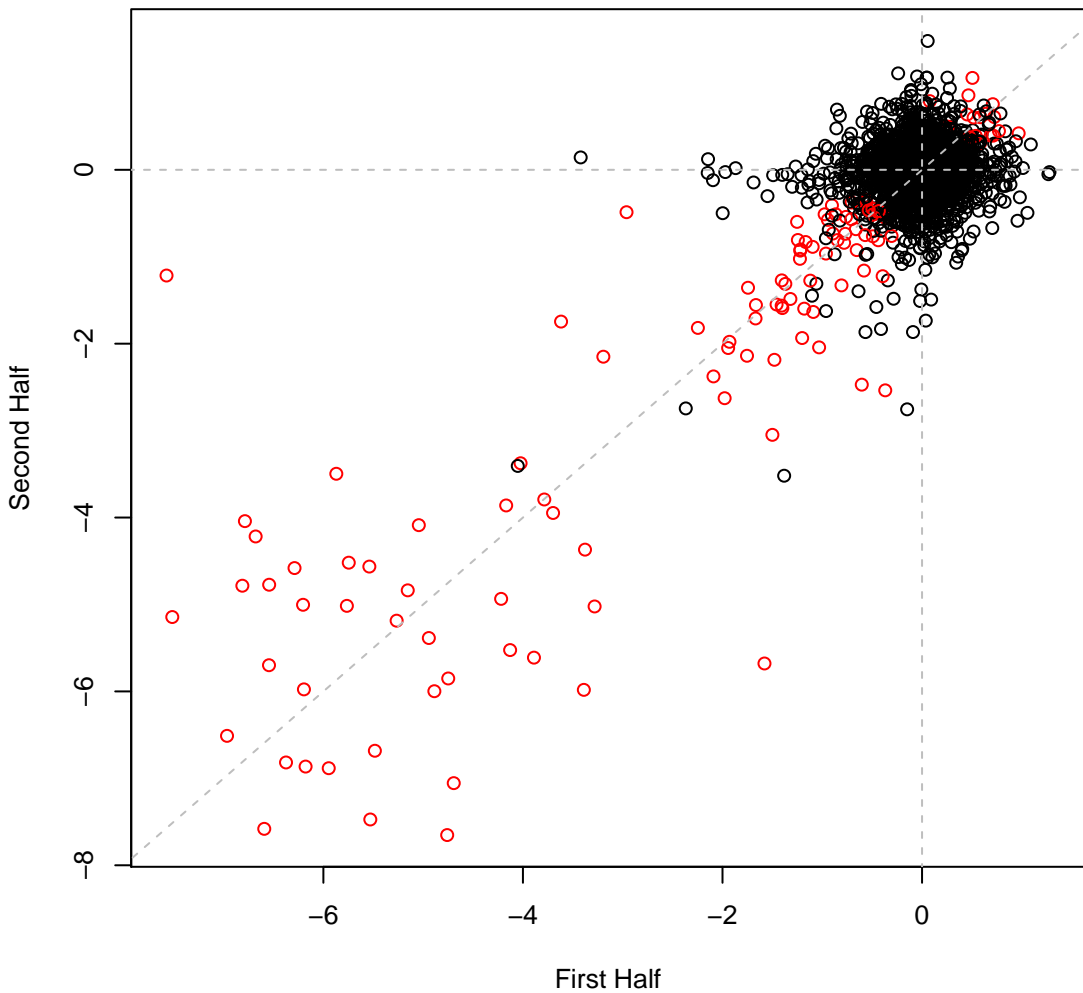
**BFirm set1IT009 #9 (gMed=227 rho12=0.243)**  
**D-Lactate (C)**



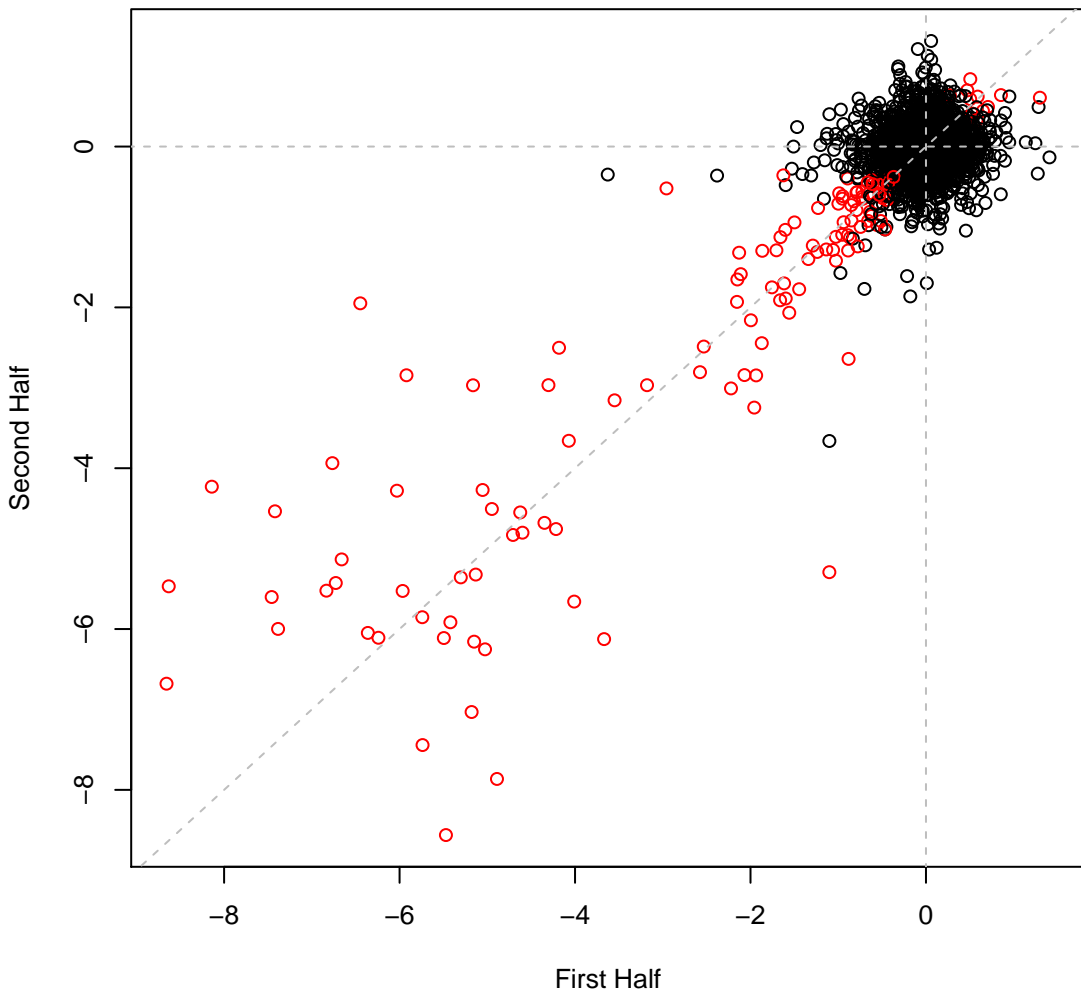
**BFirm set1IT010 #10 (gMed=226 rho12=0.185)**  
**L-Lactate (C)**



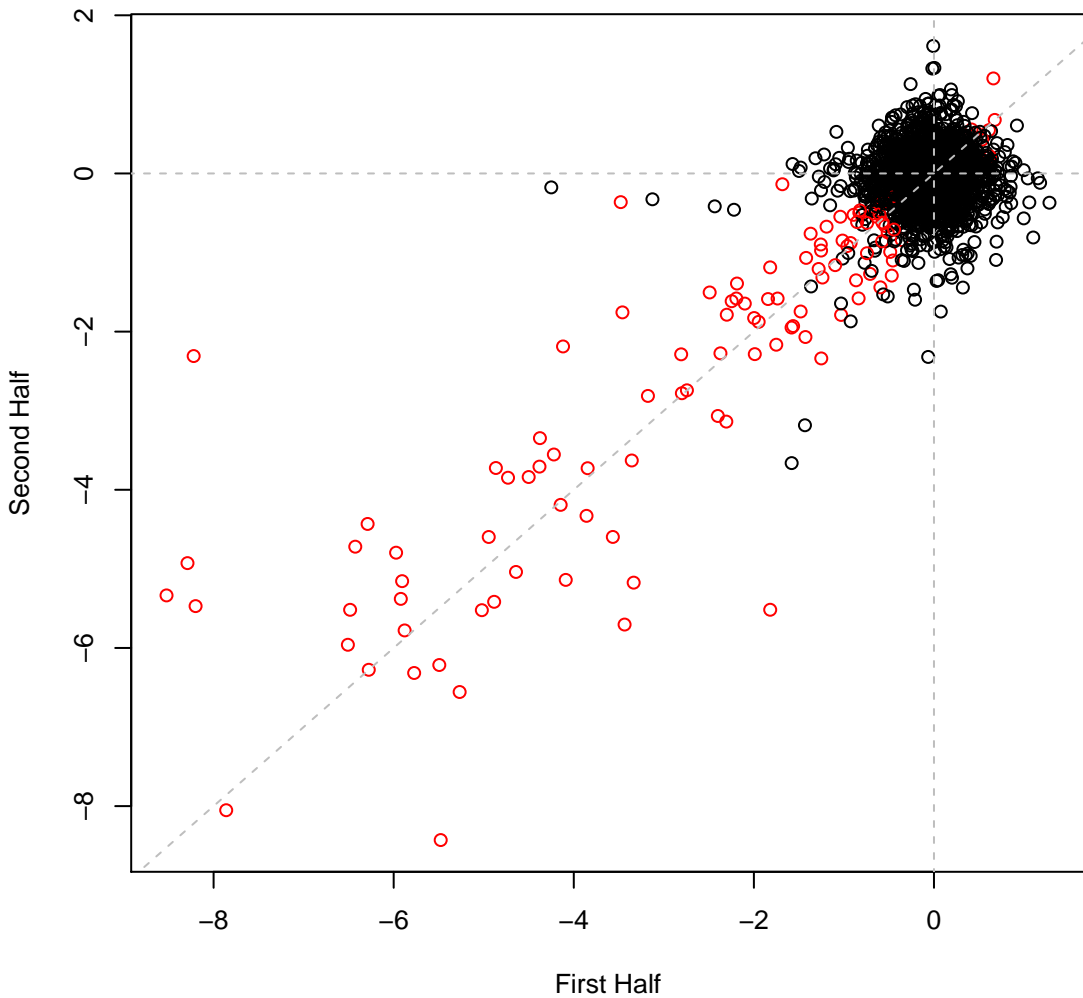
**BFirm set1IT011 #11 (gMed=198 rho12=0.151)**  
**D,L-Lactate (C)**



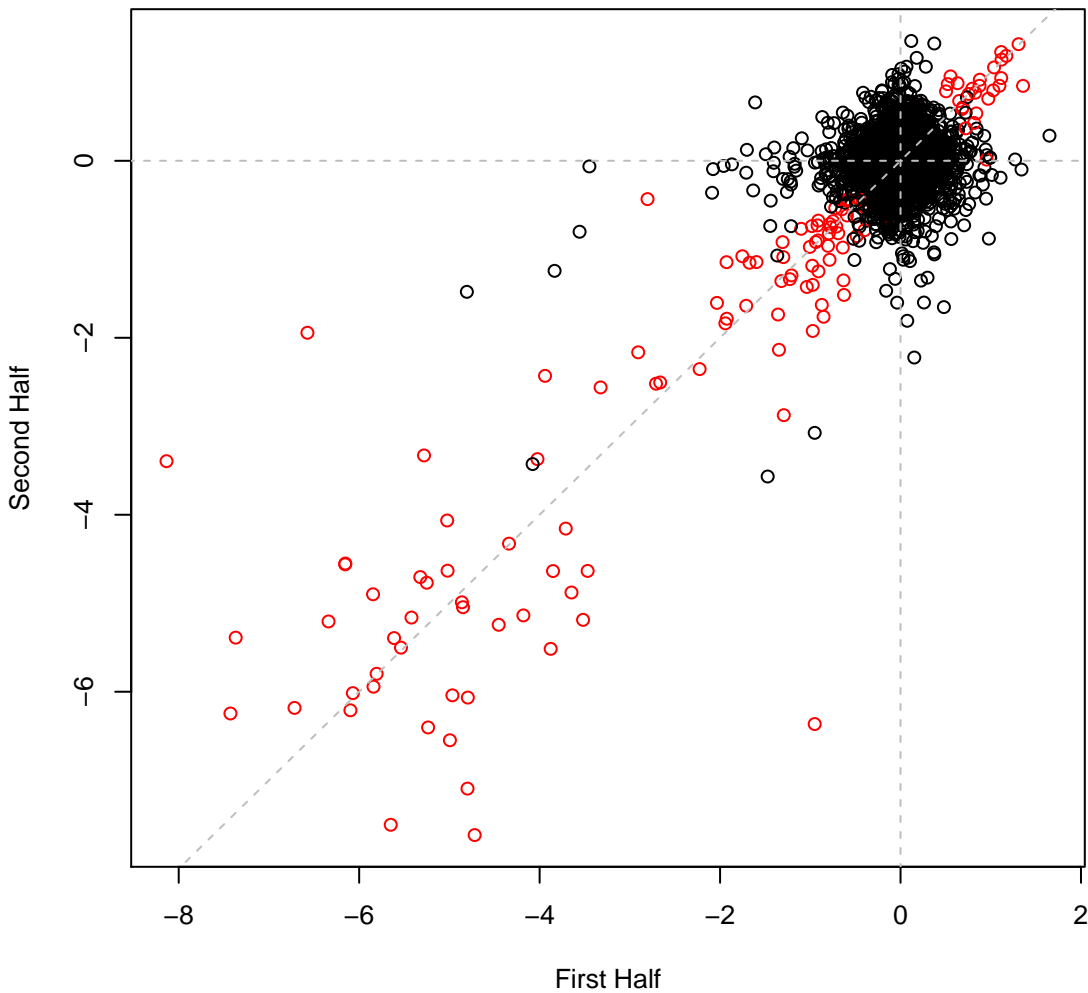
**BFirm set1IT012 #12 (gMed=258 rho12=0.226)  
pyruvate (C)**



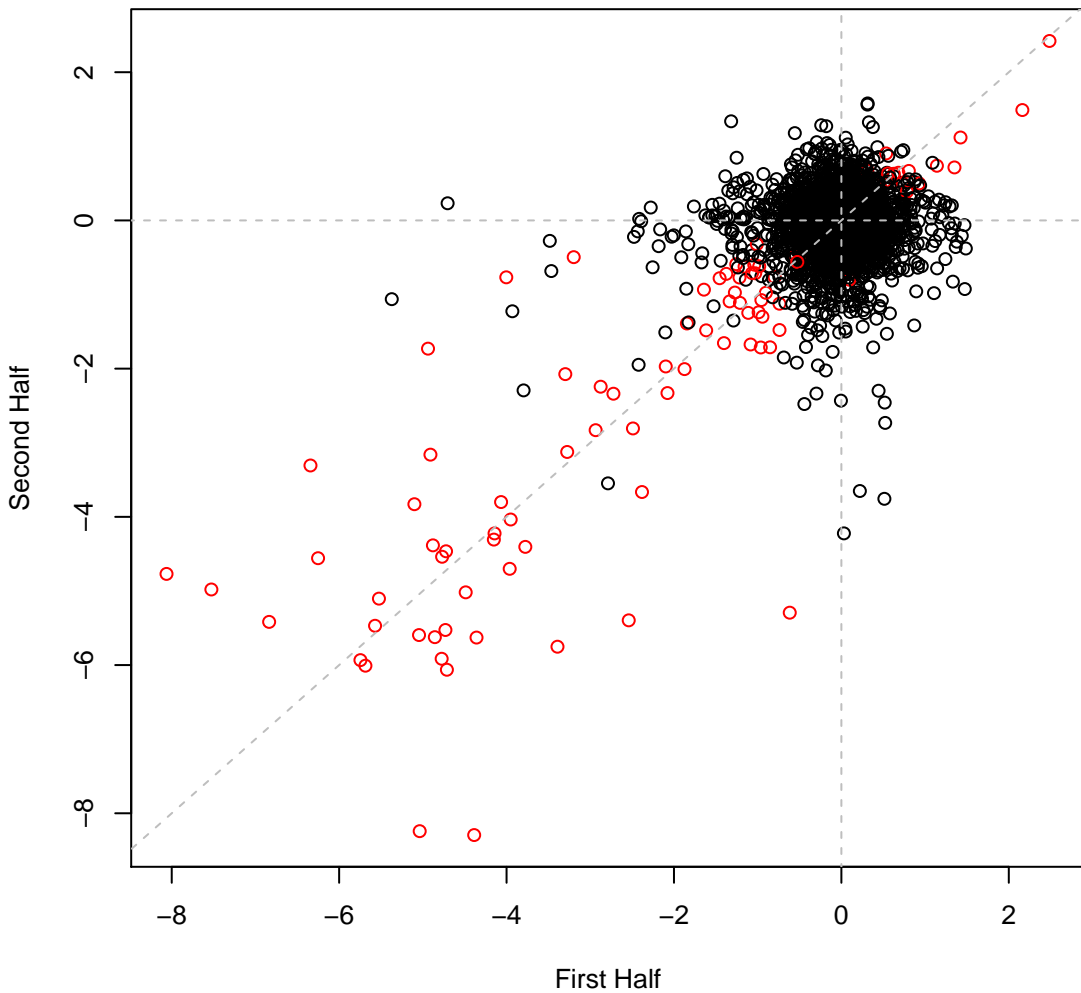
**BFirm set1IT013 #13 (gMed=218 rho12=0.141)  
succinate (C)**



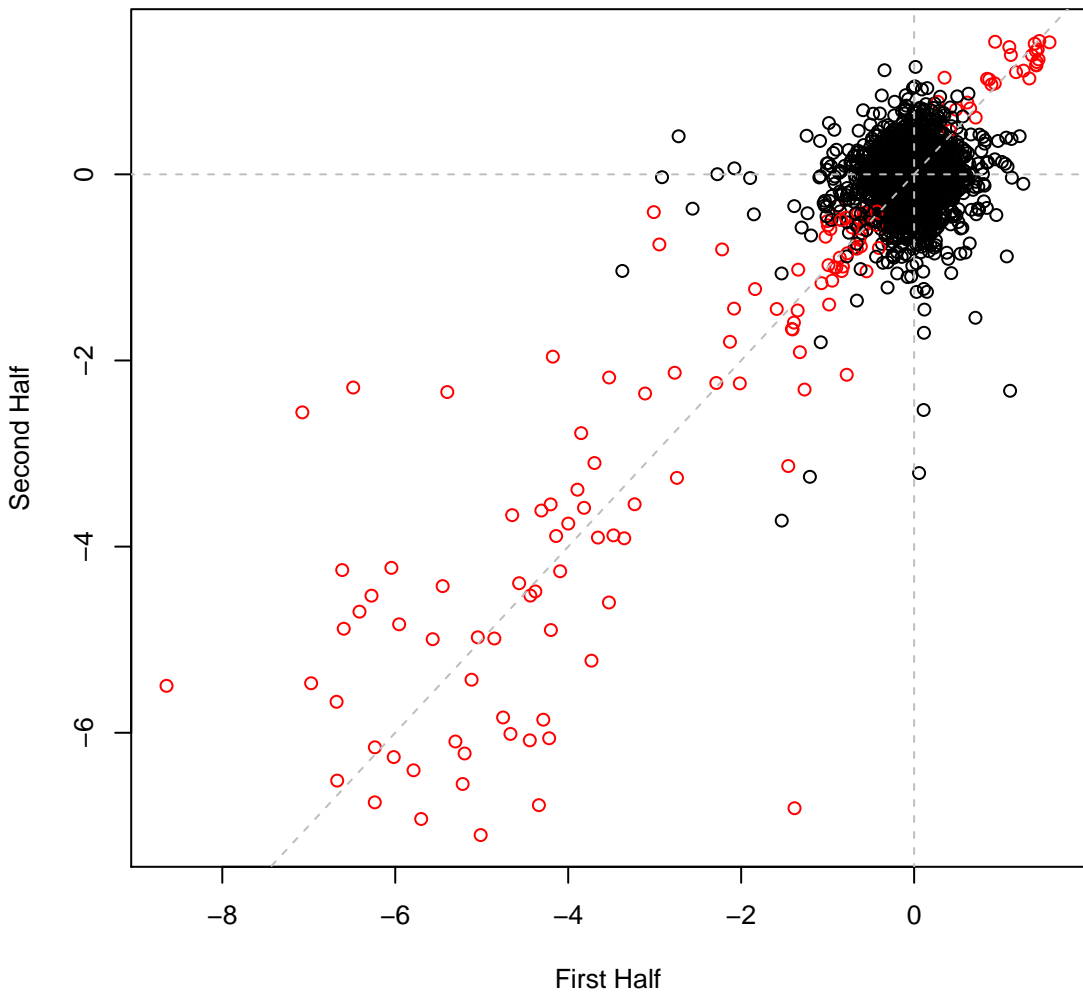
**BFirm set1IT014 #14 (gMed=208 rho12=0.164)**  
**D-Mannitol (C)**



**BFirm set1IT015 #15 (gMed=192 rho12=0.118)**  
**D-Galacturonic Acid (C)**

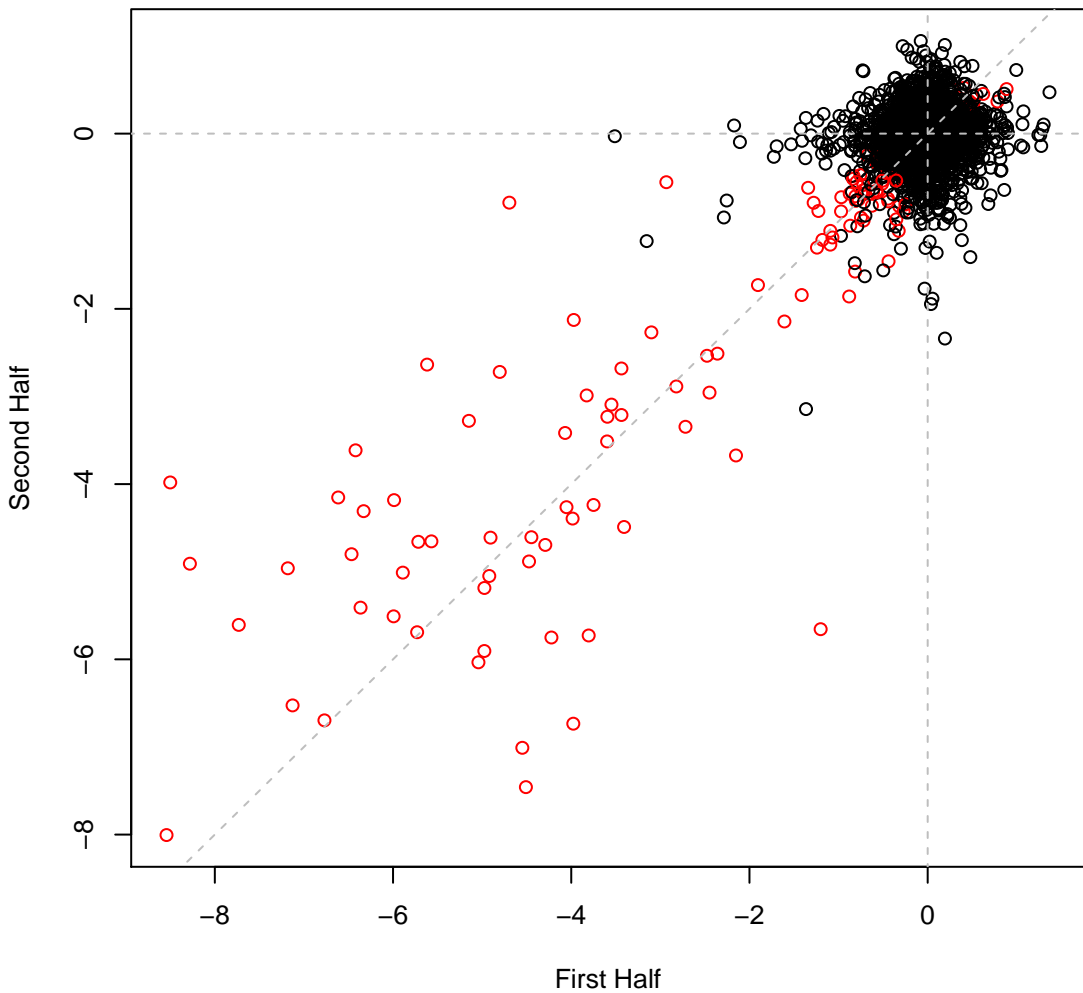


**BFirm set1IT016 #16 (gMed=259 rho12=0.182)**  
**D-Sorbitol (C)**

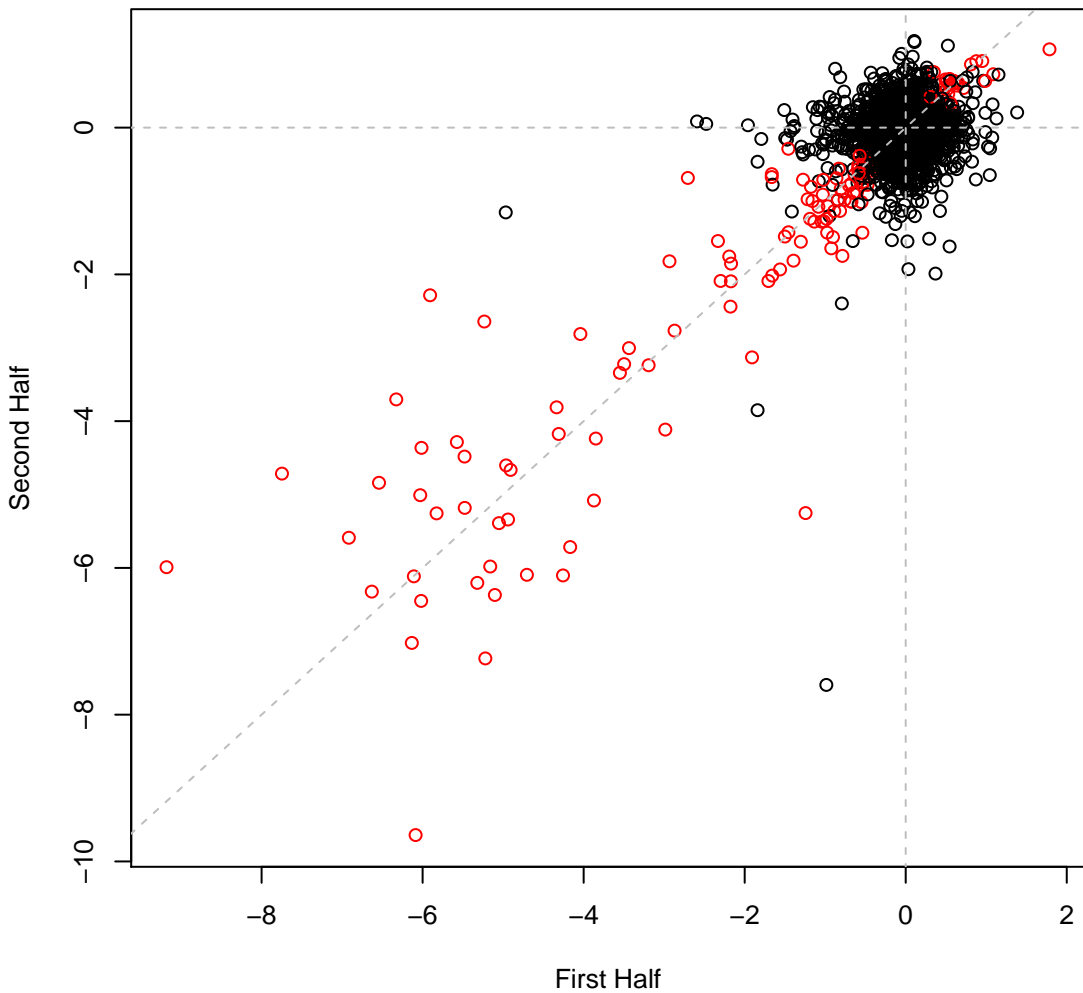




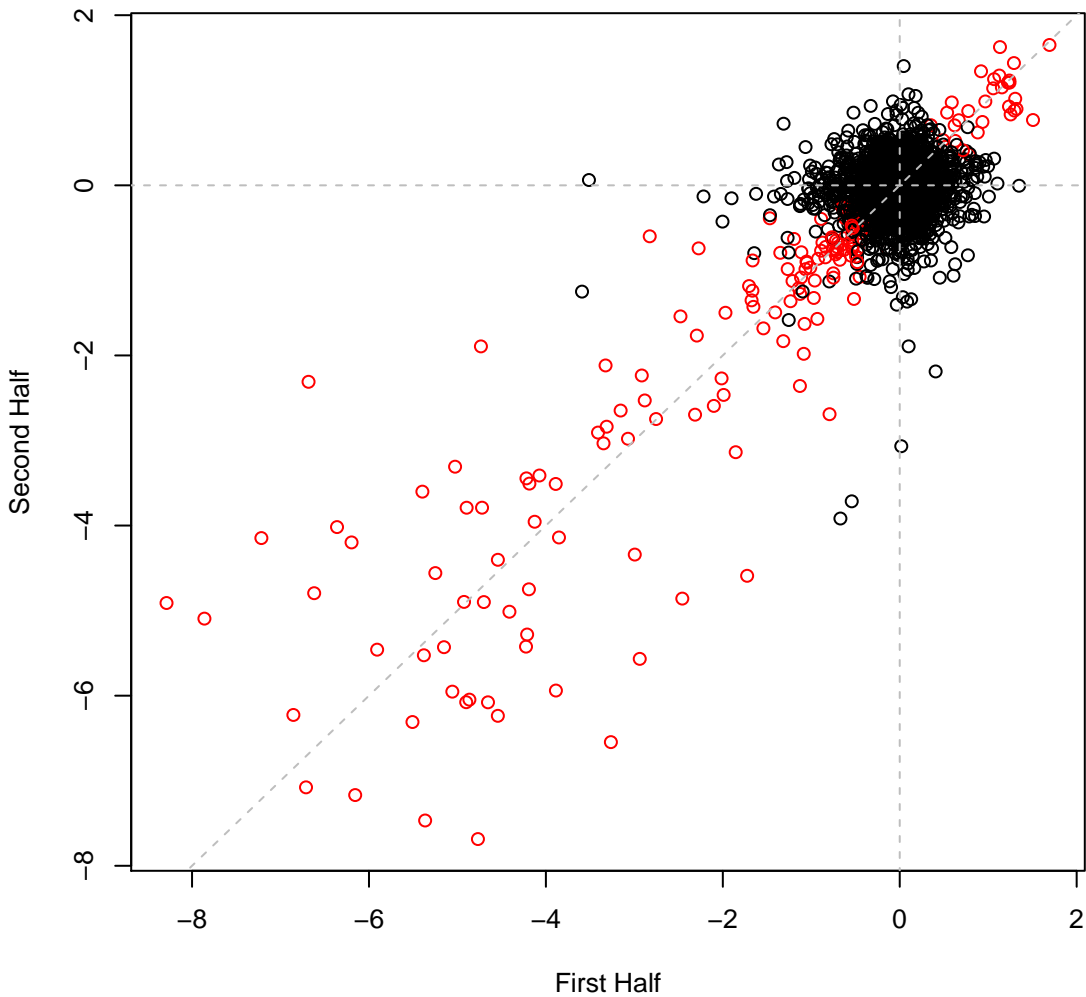
**BFirm set1IT018 #18 (gMed=223 rho12=0.181)**  
**L-Malic (C)**



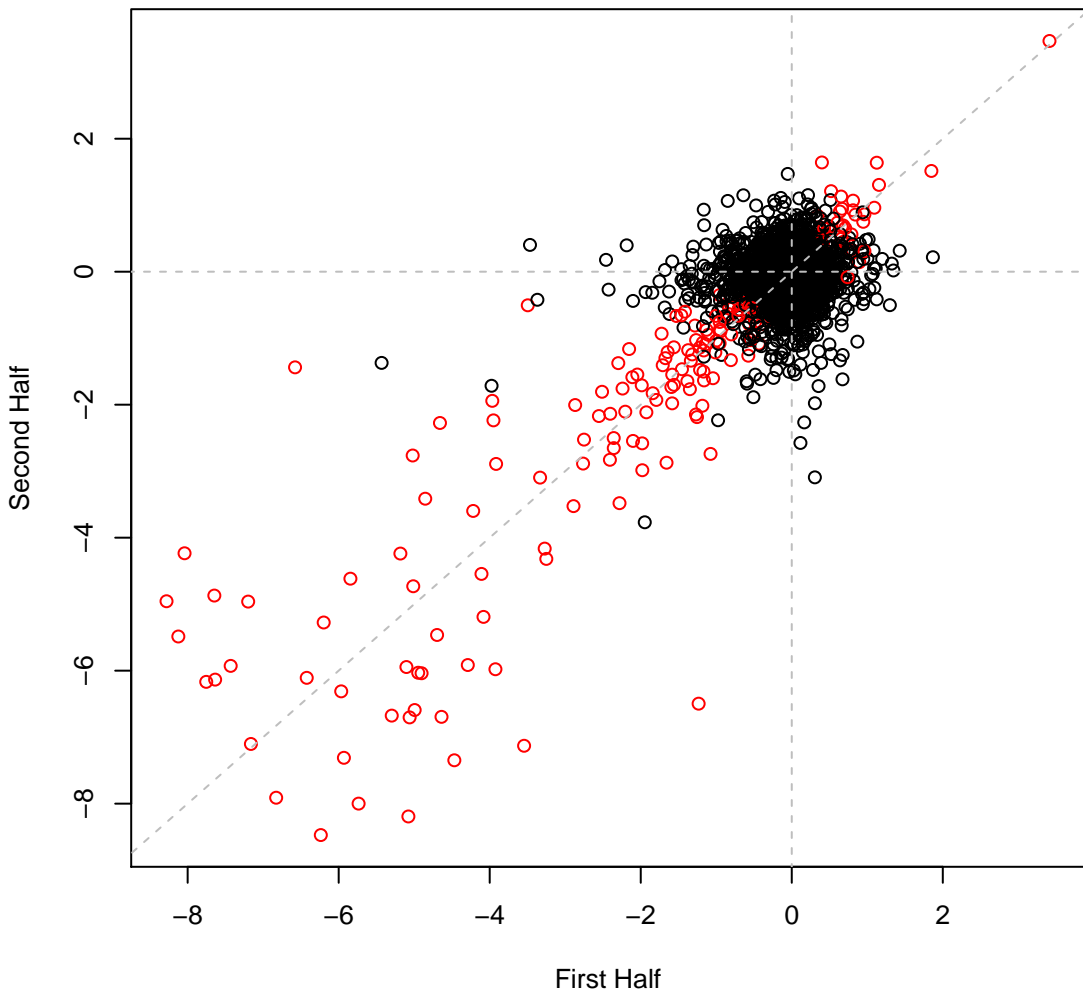
**BFirm set1IT019 #19 (gMed=240 rho12=0.194)**  
**L-Histidine (C)**



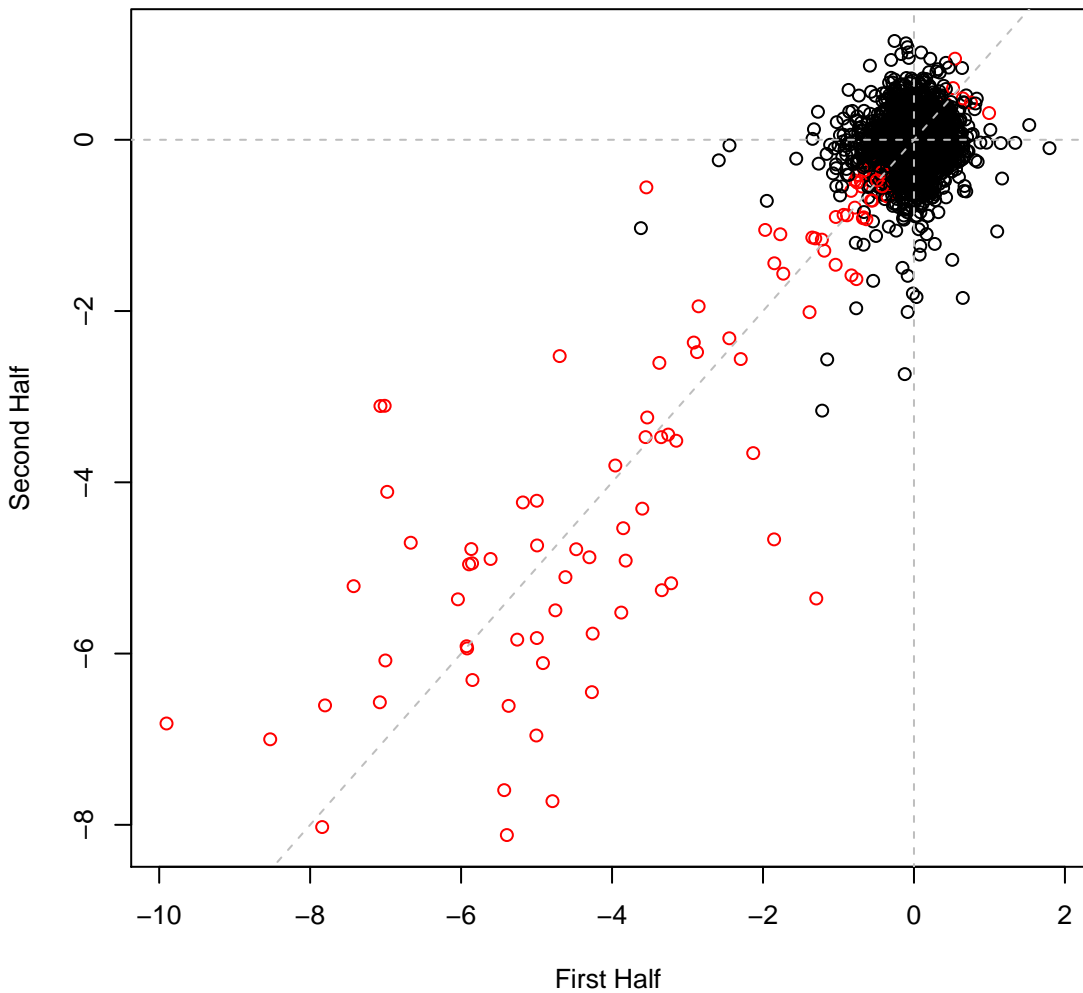
**BFirm set1IT020 #20 (gMed=222 rho12=0.217)**  
**L-Asparagine (C)**



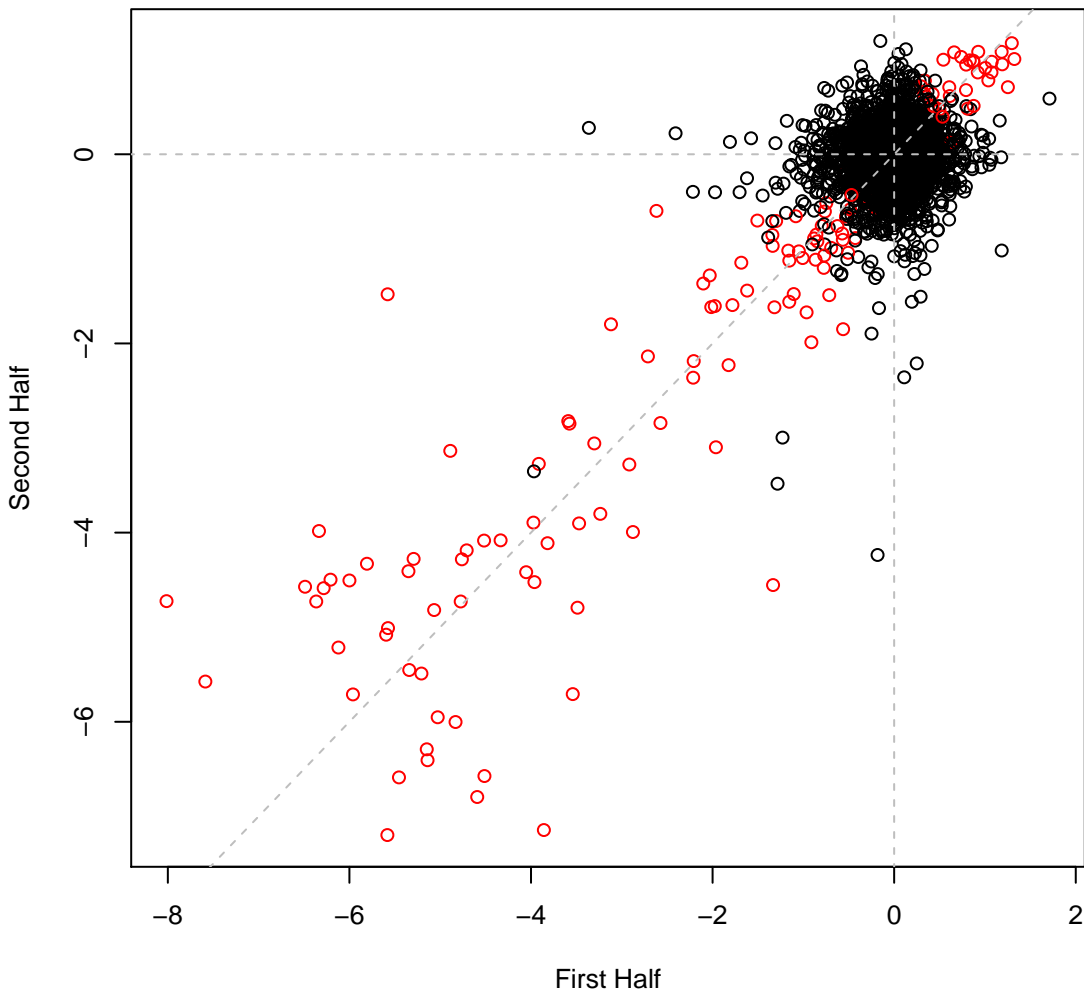
**BFirm set1IT021 #21 (gMed=201 rho12=0.204)**  
**L-Glutamine (C)**



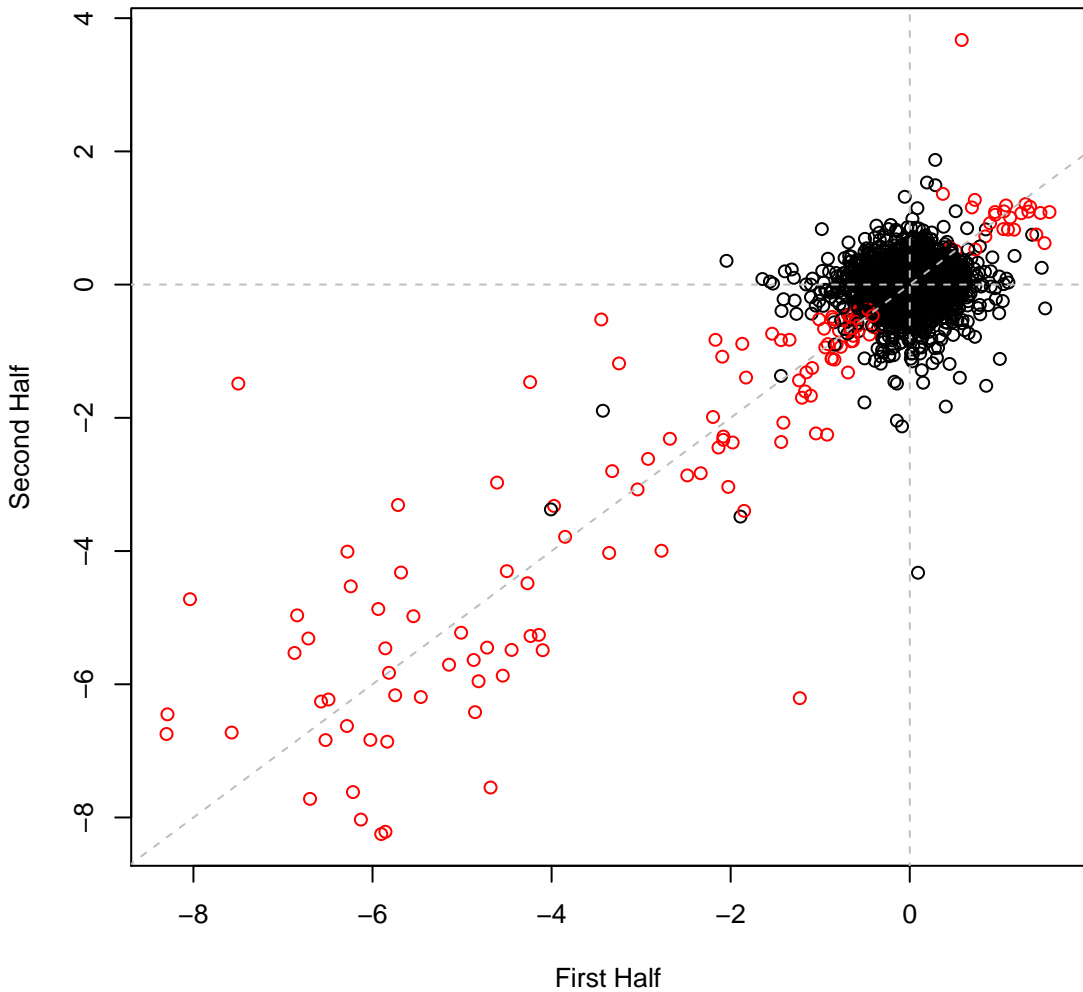
**BFirm set1IT022 #22 (gMed=220 rho12=0.163)**  
**L-Proline (C)**



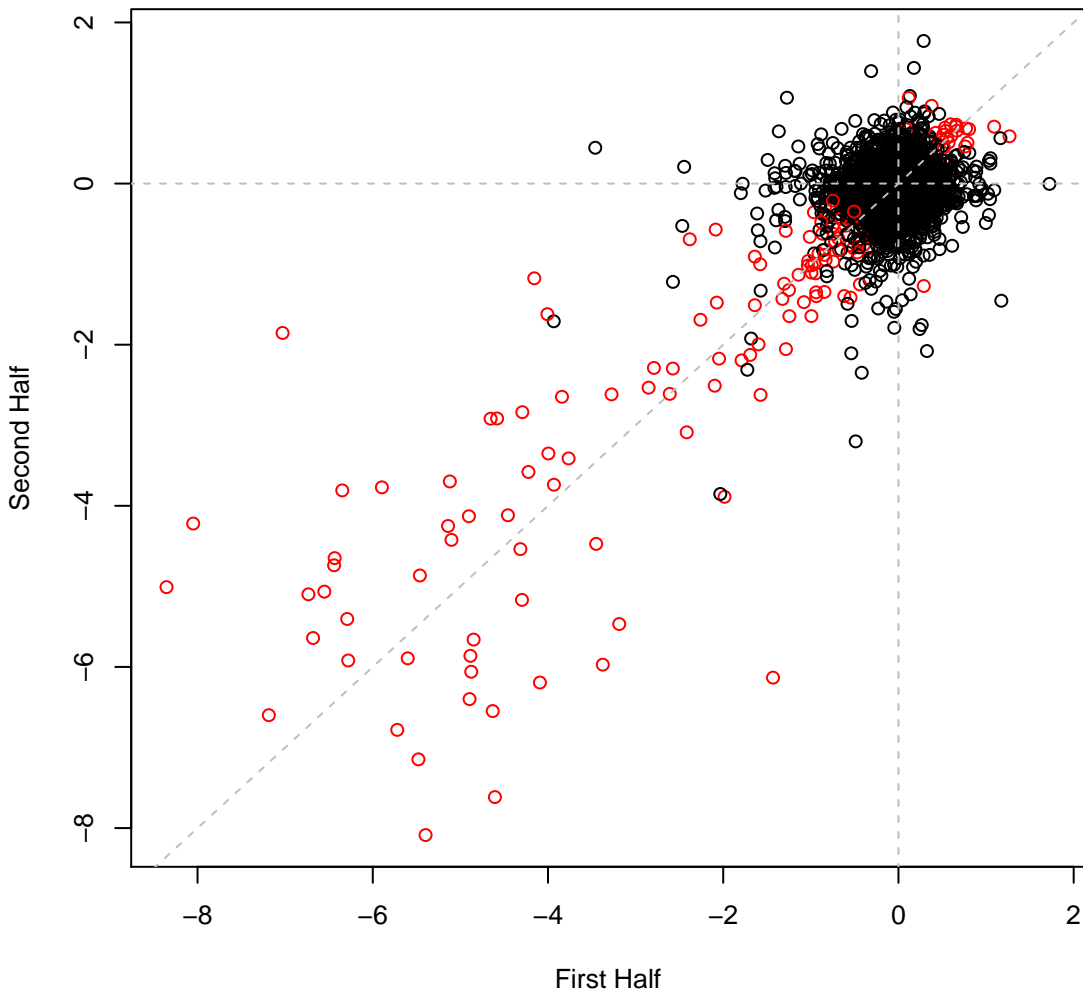
**BFirm set1IT023 #23 (gMed=173 rho12=0.161)**  
**L-Alanine (C)**



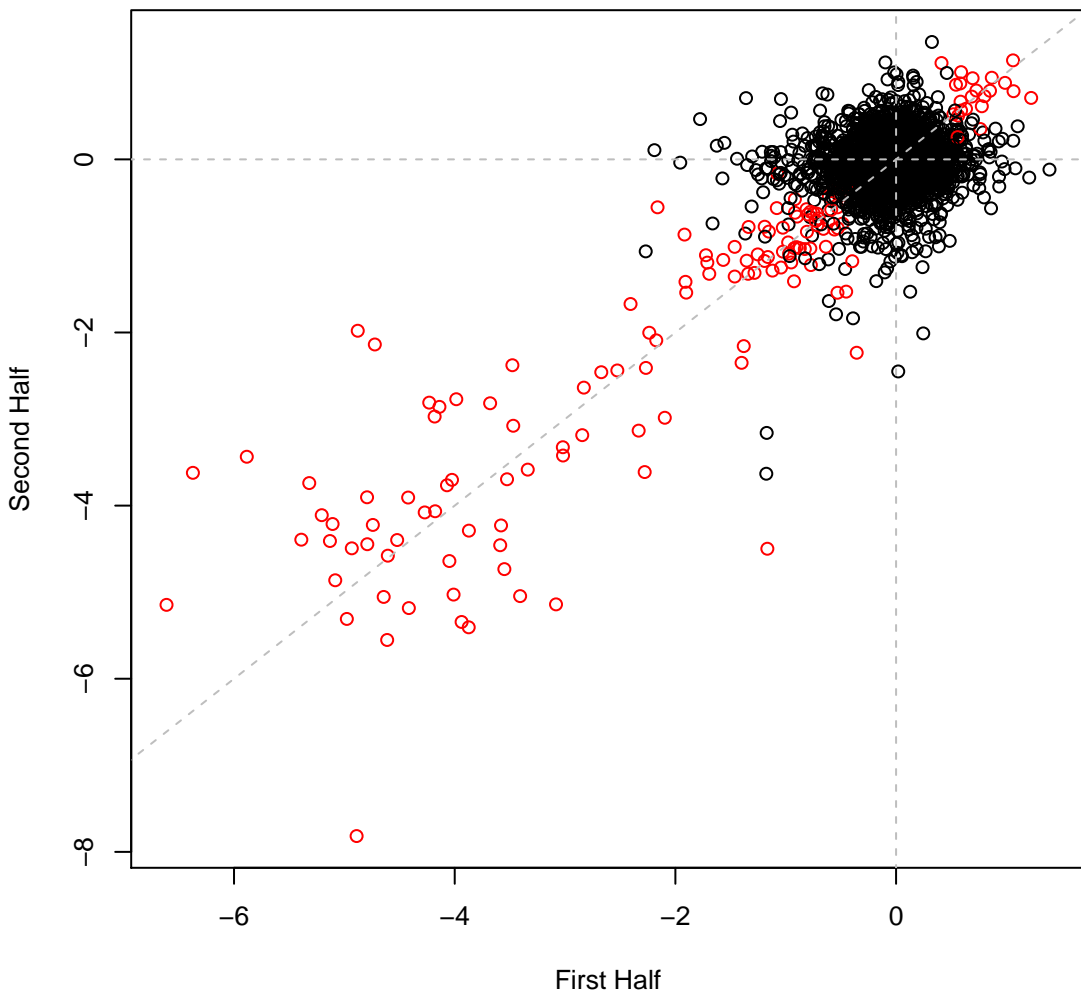
**BFirm set1IT024 #24 (gMed=189 rho12=0.187)**  
**L-Phenylalanine (C)**



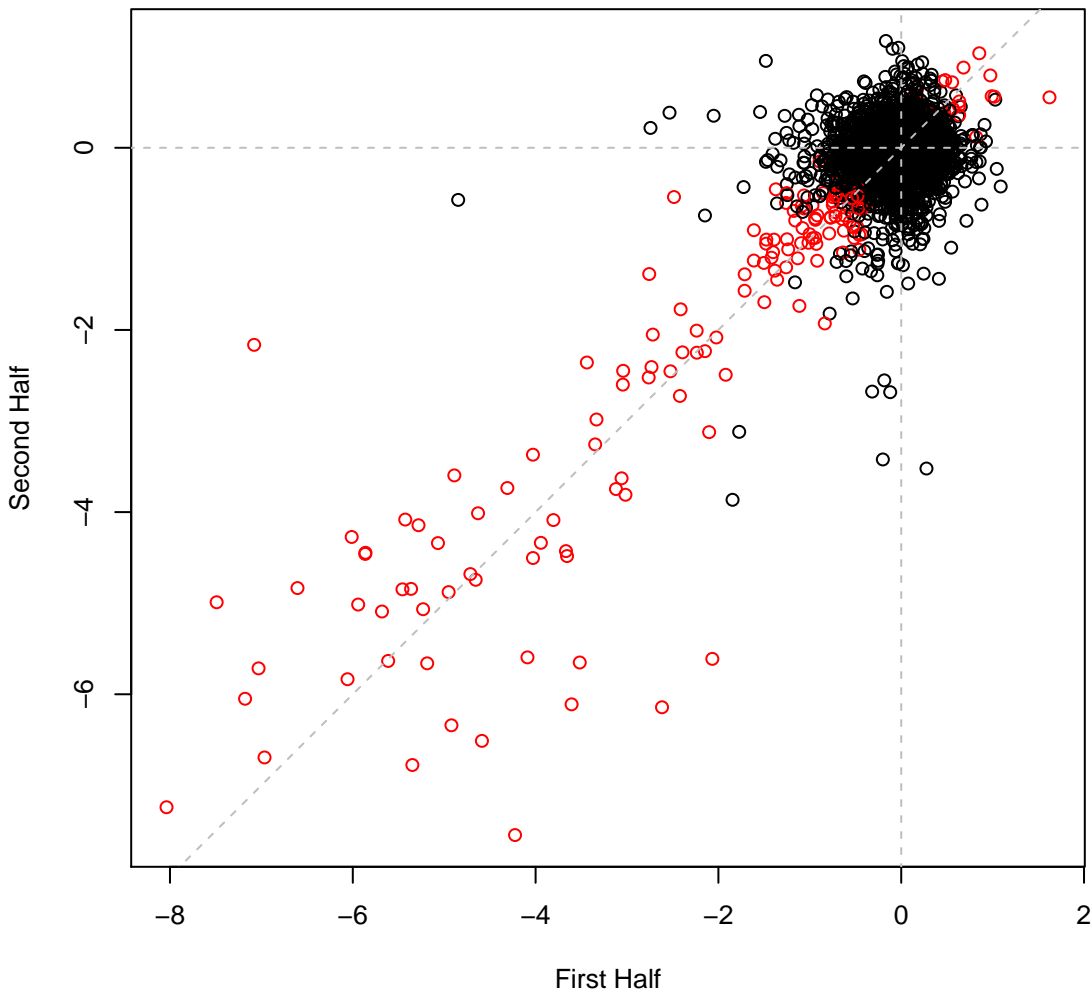
**BFirm set1IT025 #25 (gMed=214 rho12=0.210)**  
**L-Tryptophan (C)**



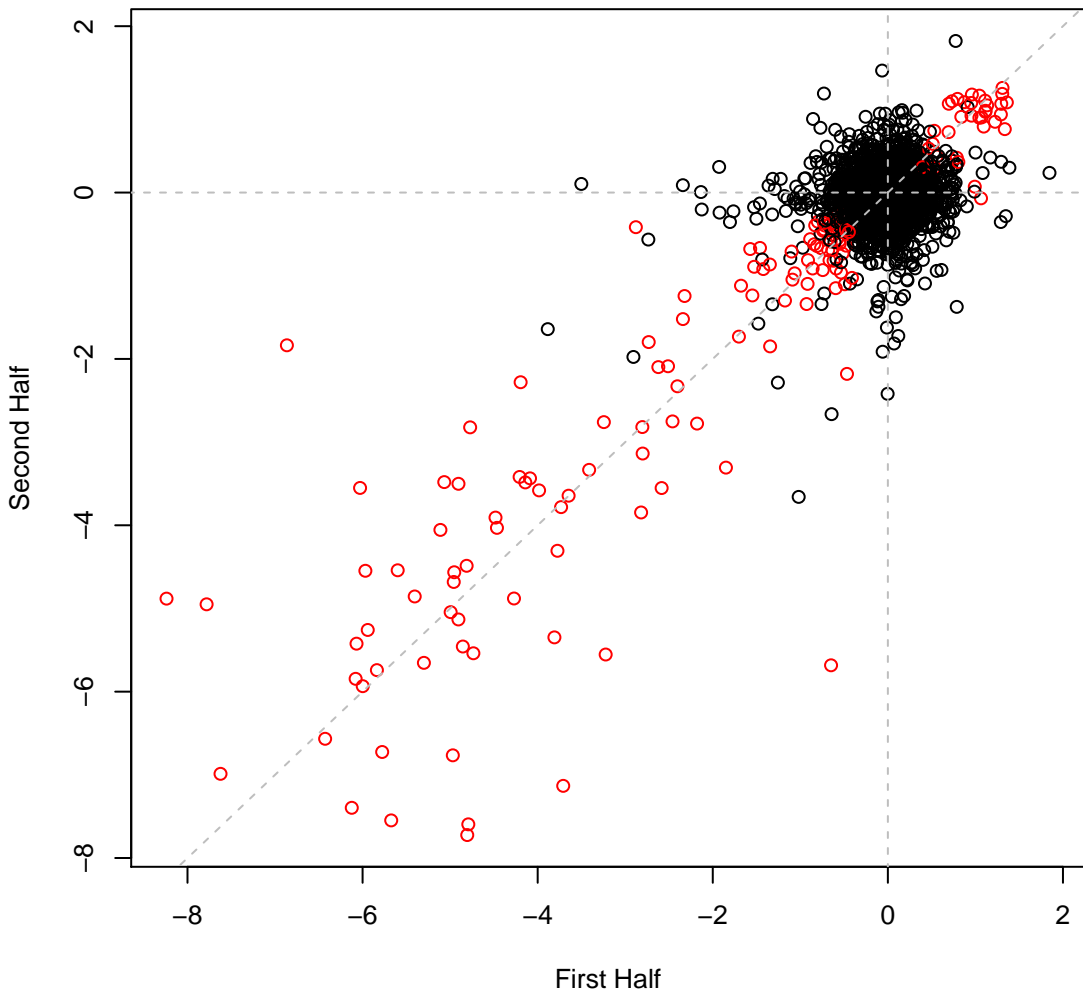
**BFirm set1IT026 #26 (gMed=229 rho12=0.194)**  
**D-Alanine (C)**



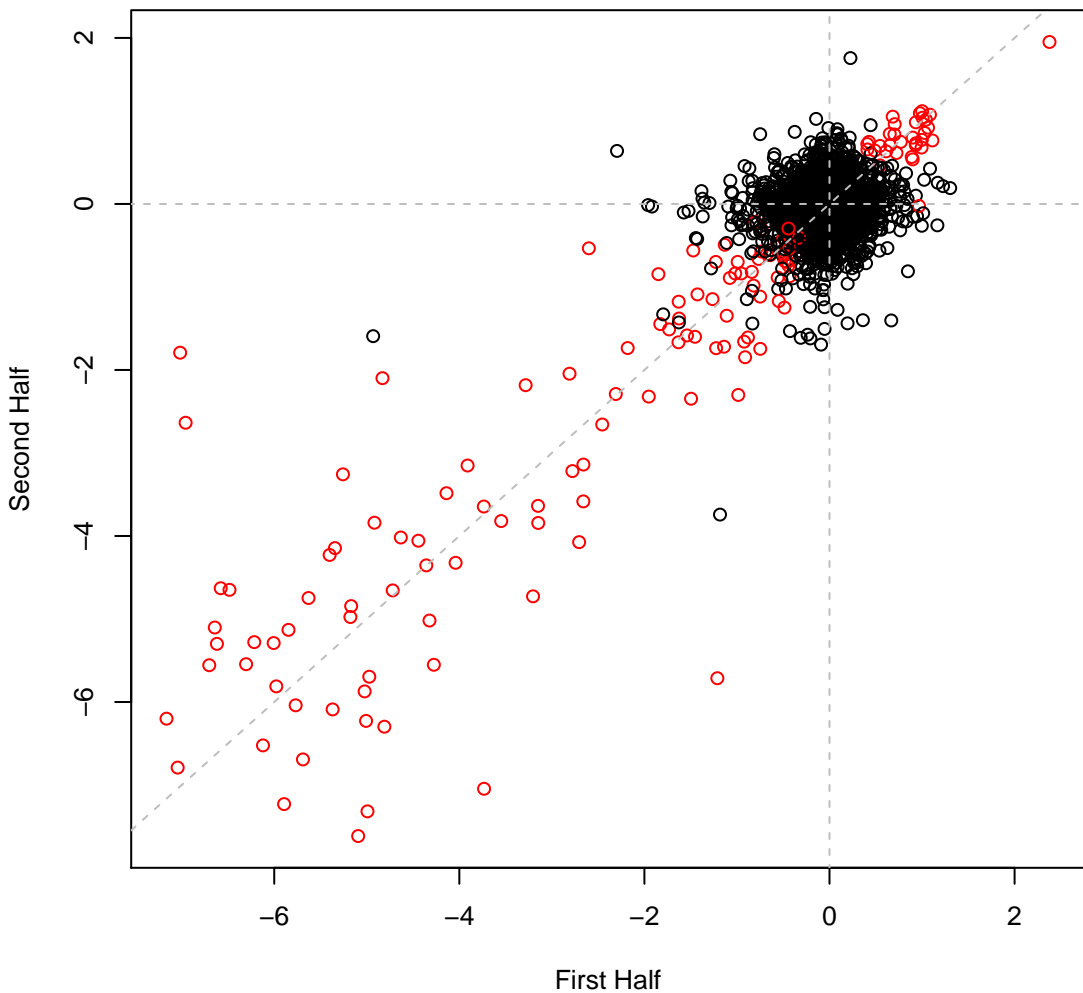
**BFirm set1IT027 #27 (gMed=226 rho12=0.218)**  
**Putrescine (C)**



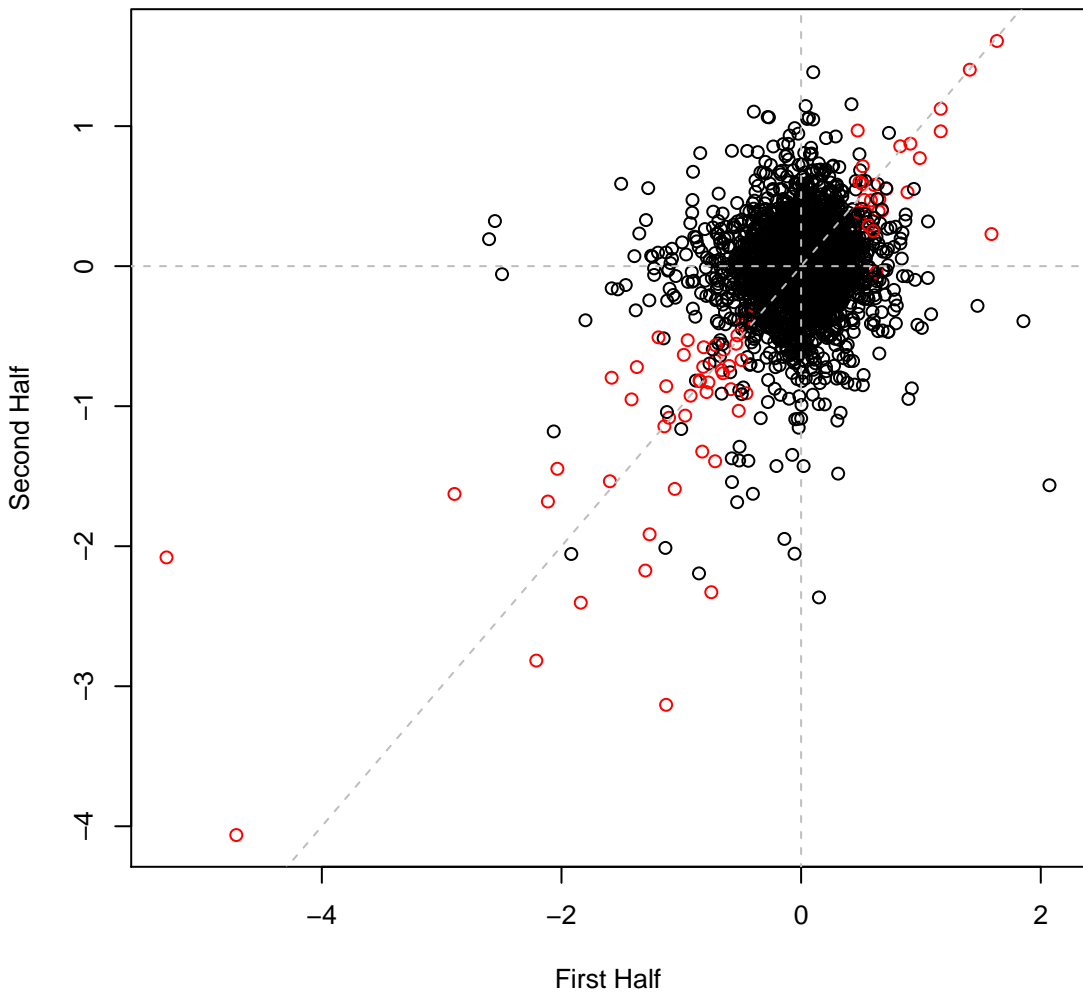
**BFirm set1IT028 #28 (gMed=222 rho12=0.192)**  
**NAG (C)**



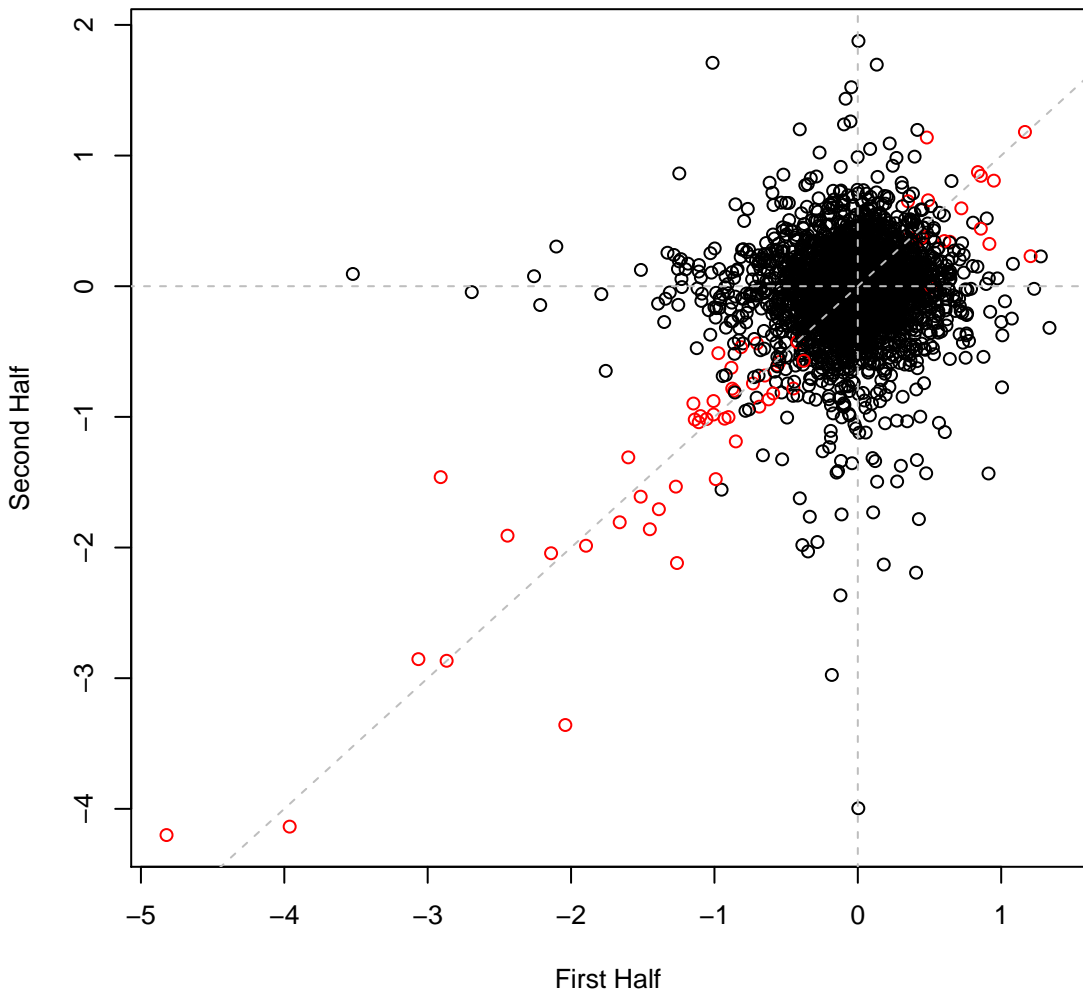
**BFirm set1IT029 #29 (gMed=252 rho12=0.189)**  
**D-Mannose (C)**



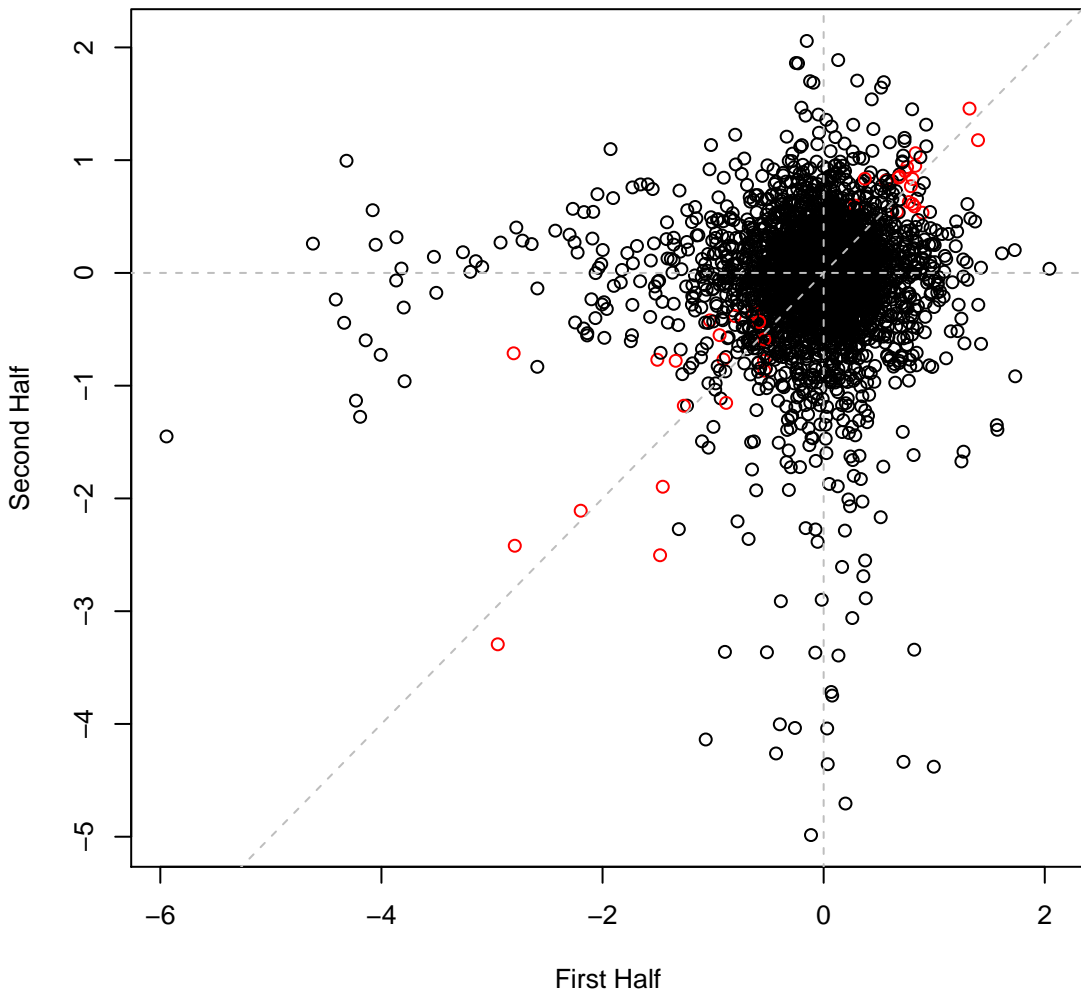
**BFirm set1IT030 #30 (gMed=188 rho12=0.124)**  
**Nickel (II) chloride 0.5 mM**



**BFirm set1IT031 #31 (gMed=223 rho12=0.105)**  
**Cobalt chloride 0.25 mM**

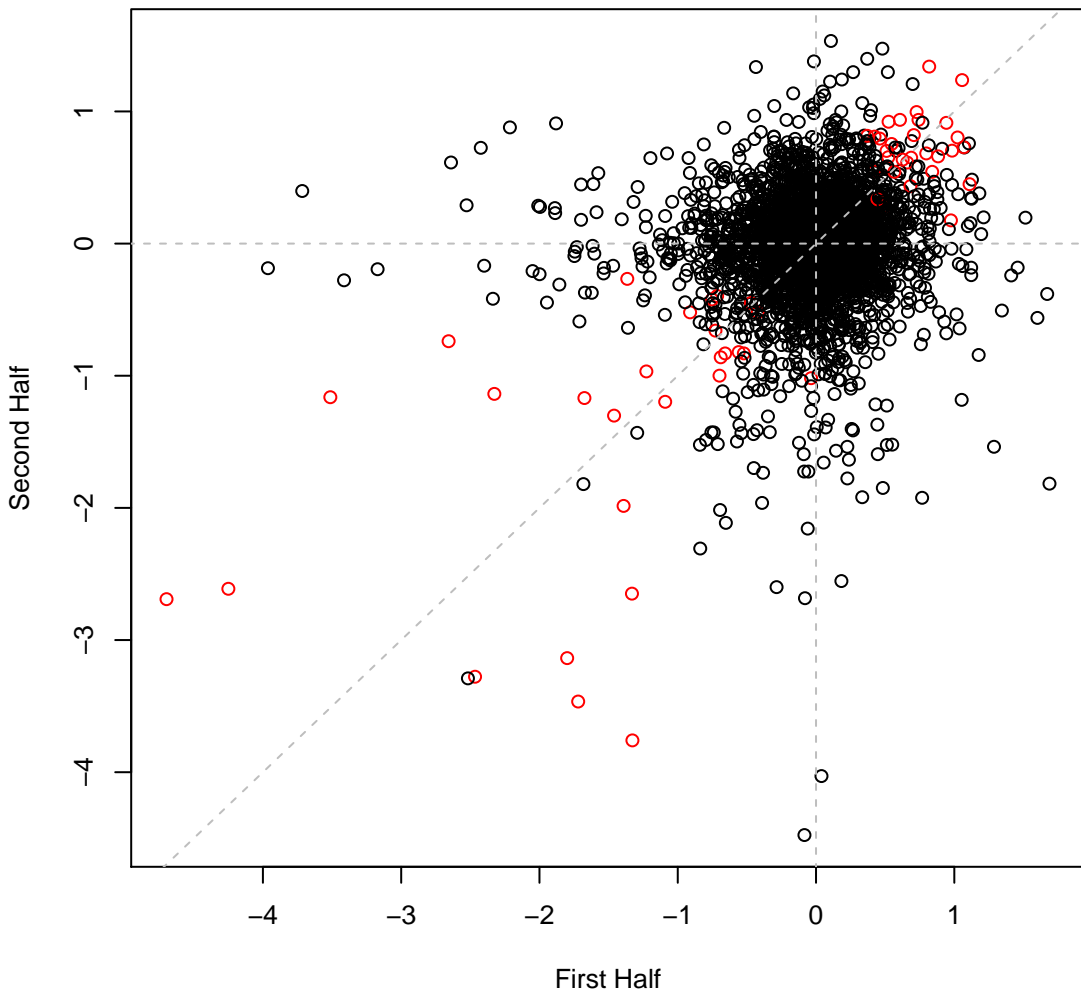


**BFirm set1IT032 #32 (gMed=157 rho12=0.071)**  
**Paraquat dichloride 0.016 mg/ml**

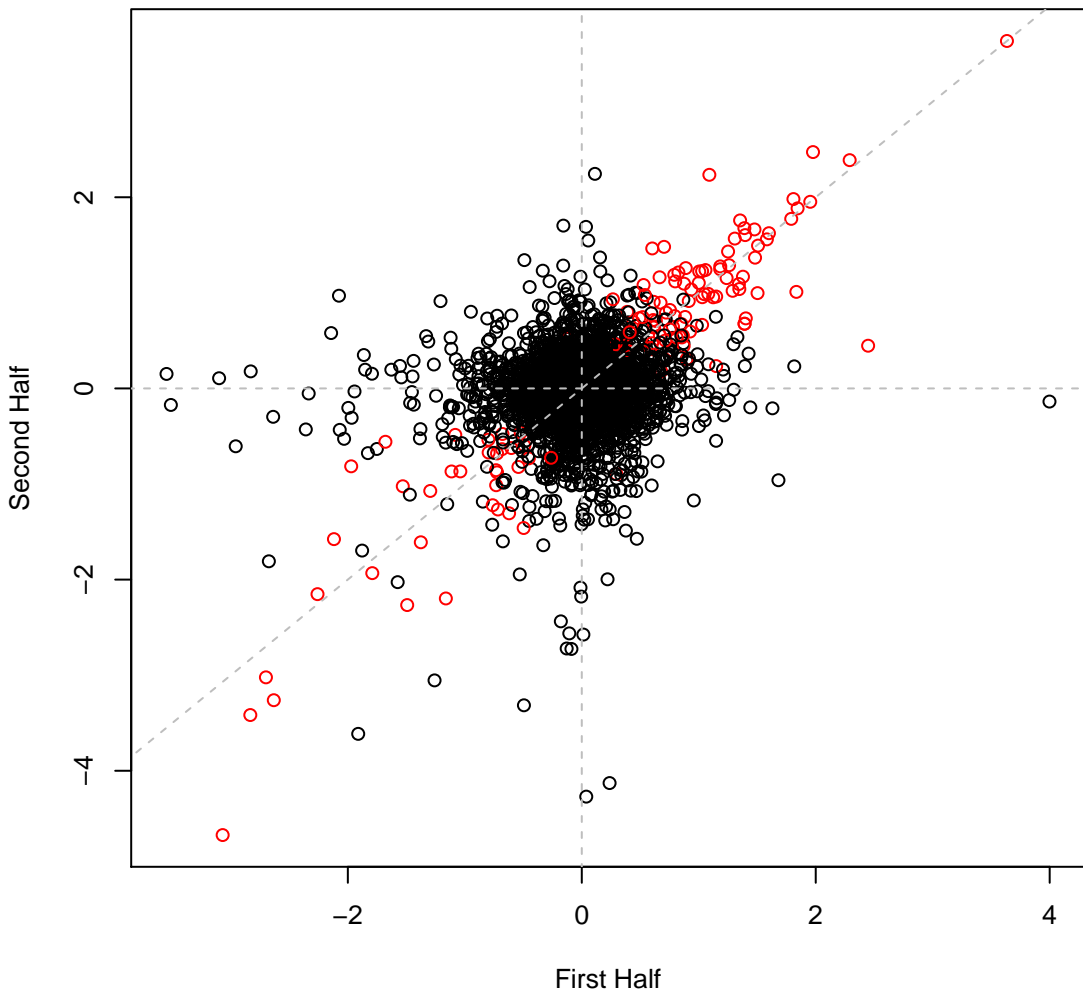


**BFirm set1IT033 #33 (gMed=146 rho12=0.114)**

**Paraquat dichloride 0.032 mg/ml**

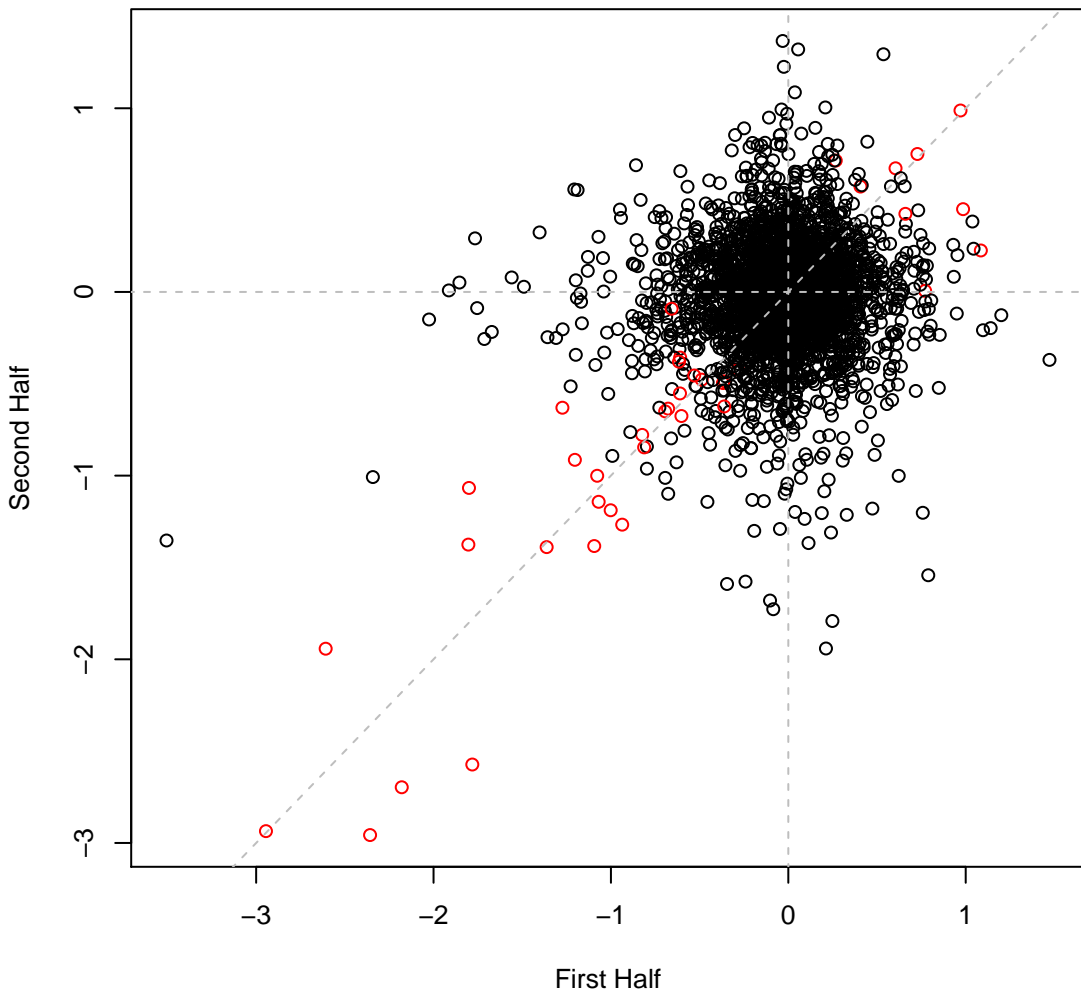


**BFirm set1IT034 #34 (gMed=98 rho12=0.185)**  
**Paraquat dichloride 0.064 mg/ml**

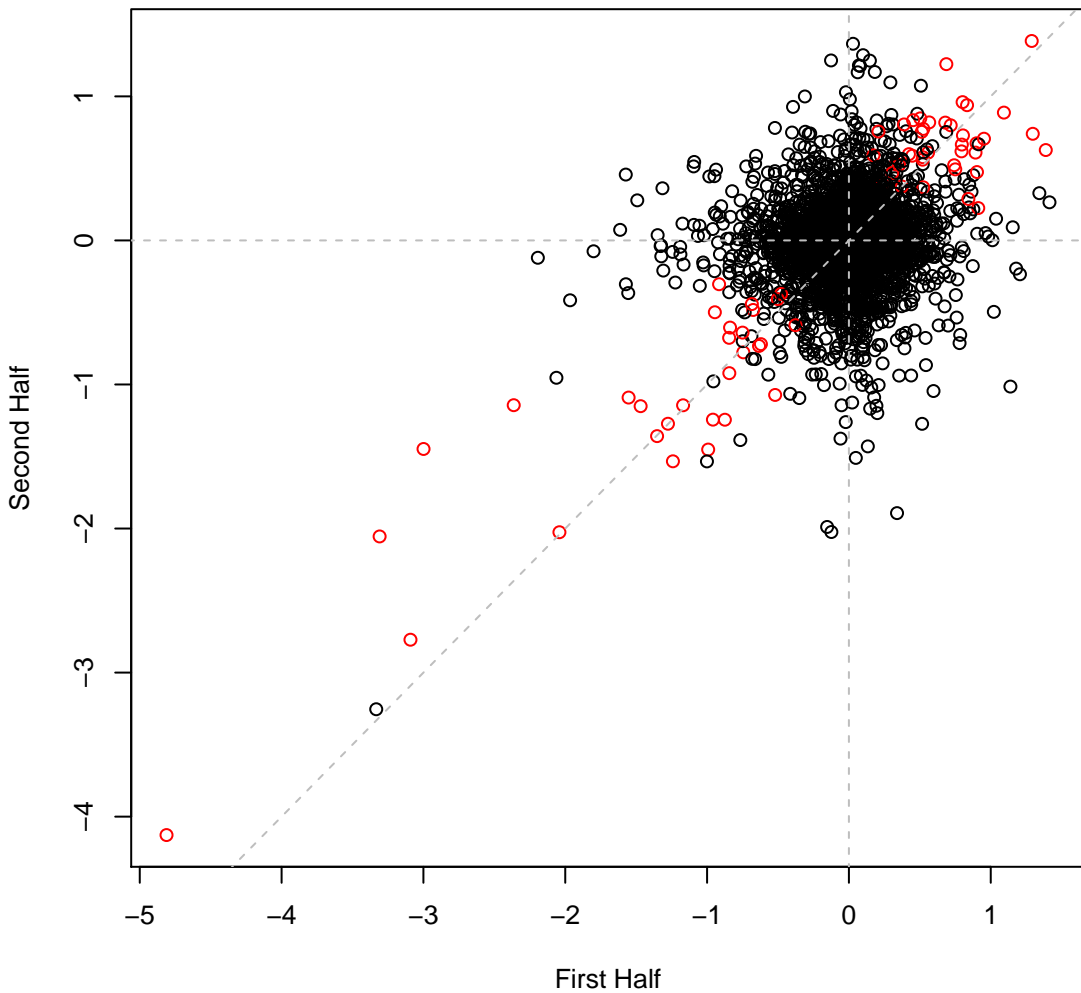


**BFirm set1IT035 #35 (gMed=220 rho12=0.062)**

**Thallium(I) acetate 0.002 mg/ml**

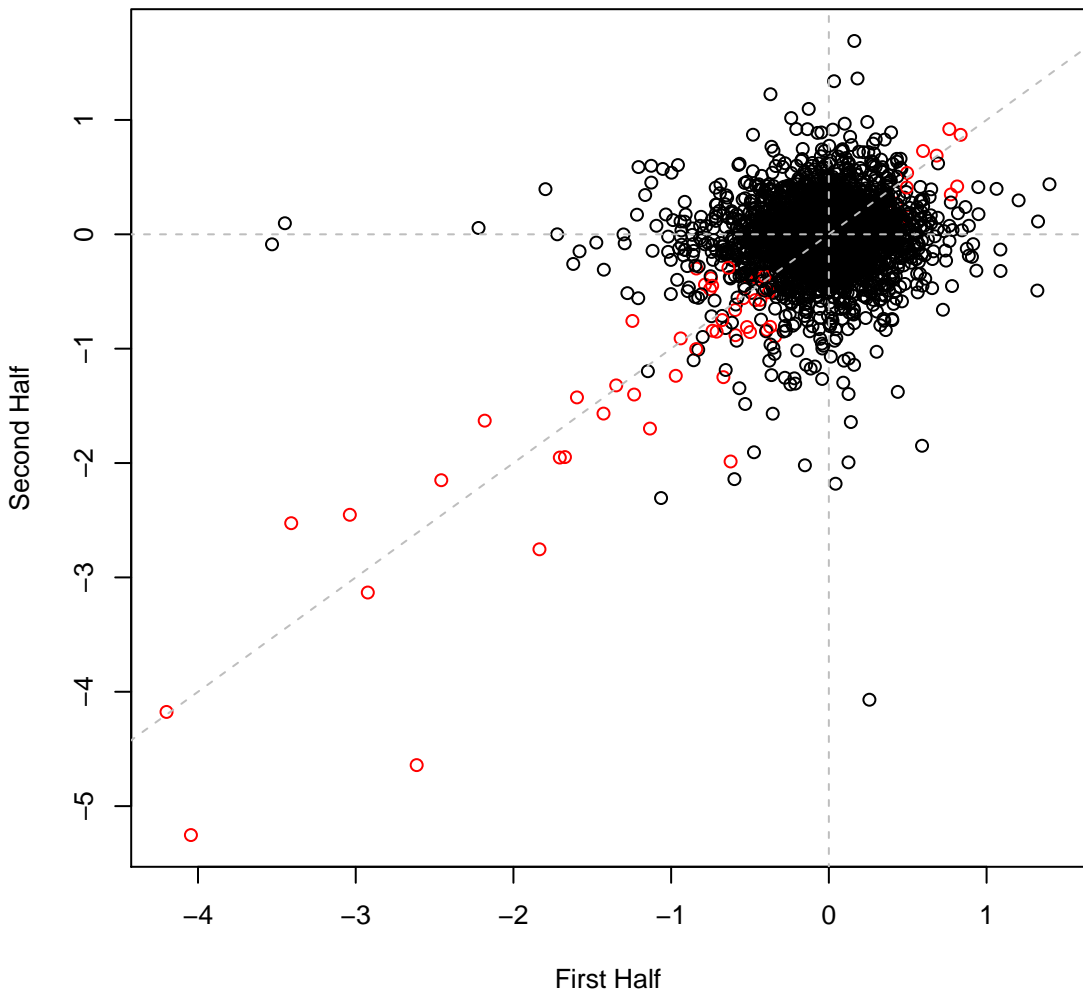


**BFirm set1IT036 #36 (gMed=191 rho12=0.136)**  
**Thallium(I) acetate 0.01 mg/ml**

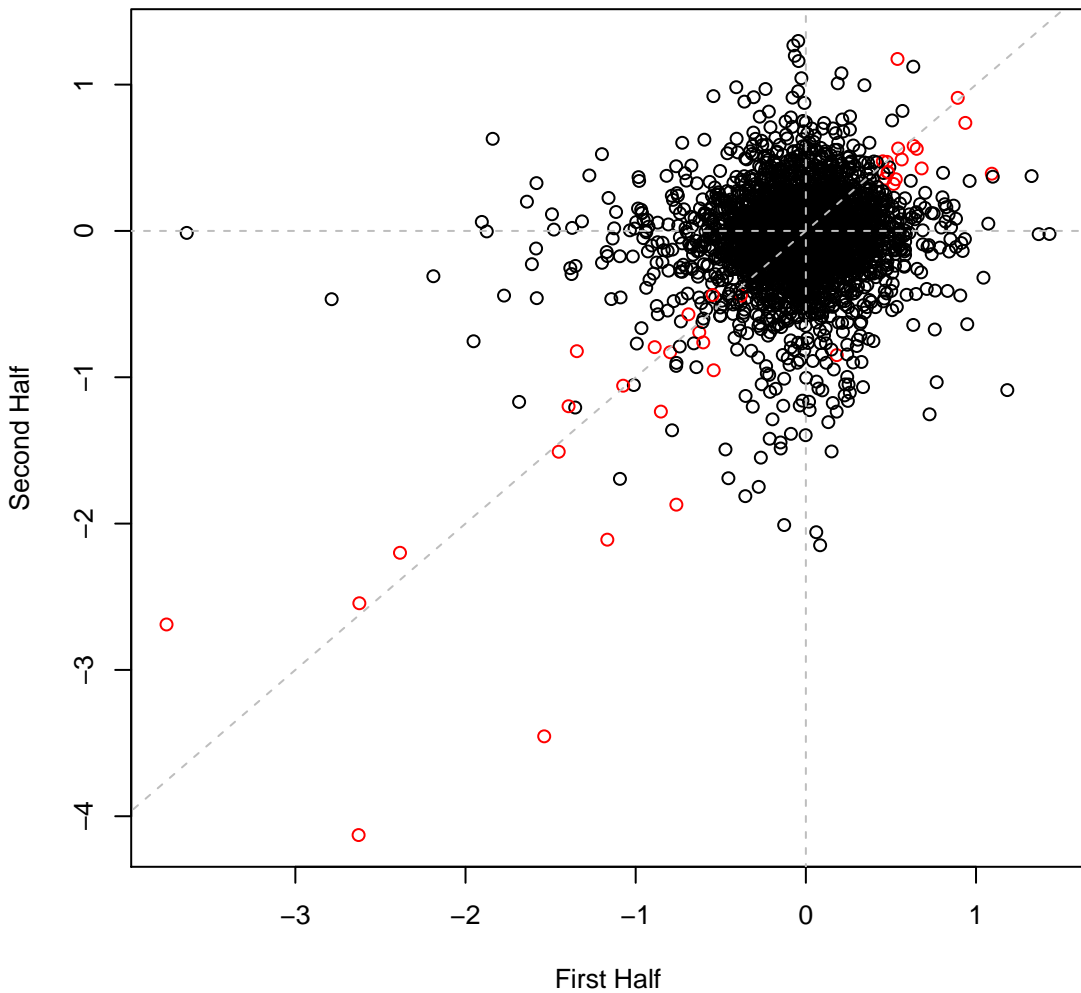




**BFirm set1IT038 #38 (gMed=223 rho12=0.120)**  
**LB**

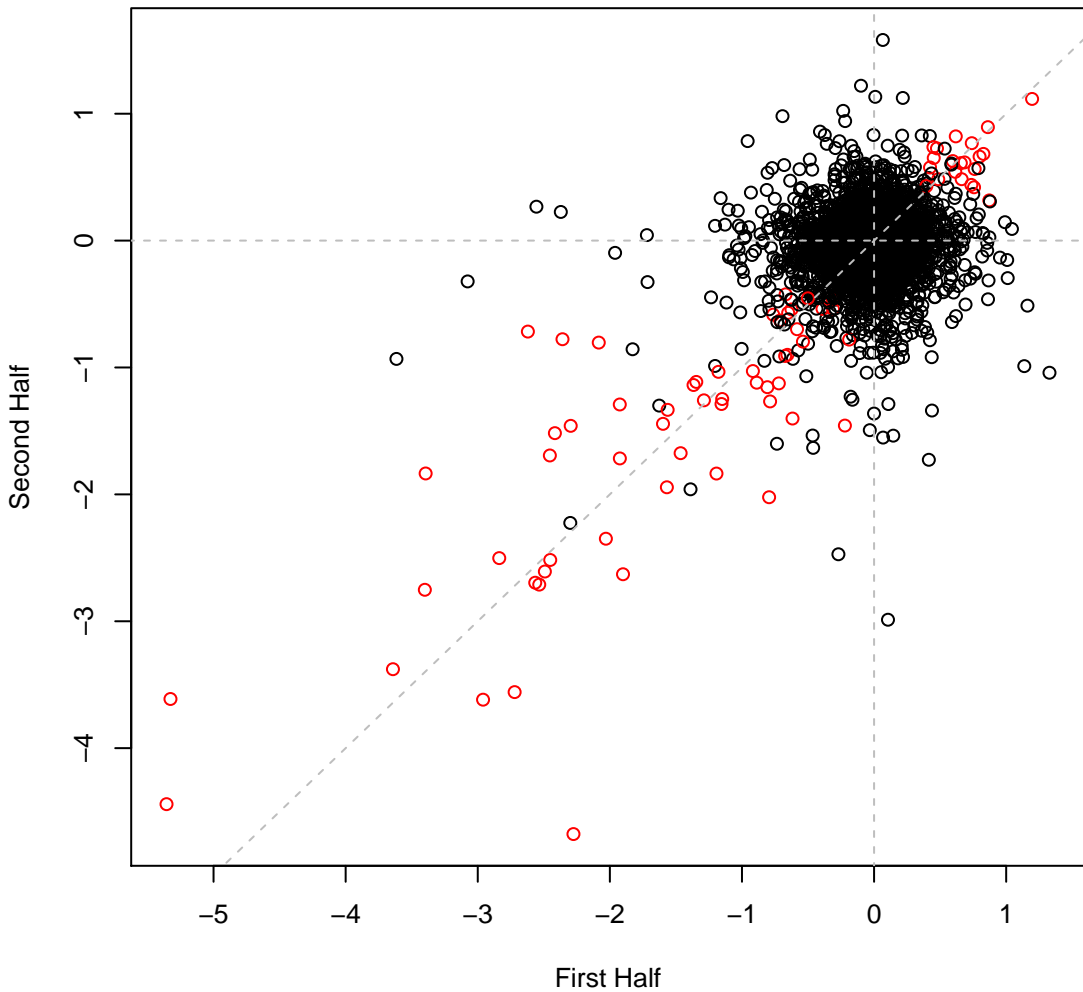


**BFirm set1IT039 #39 (gMed=178 rho12=0.086)**  
**Sisomicin 0.004 mg/ml**

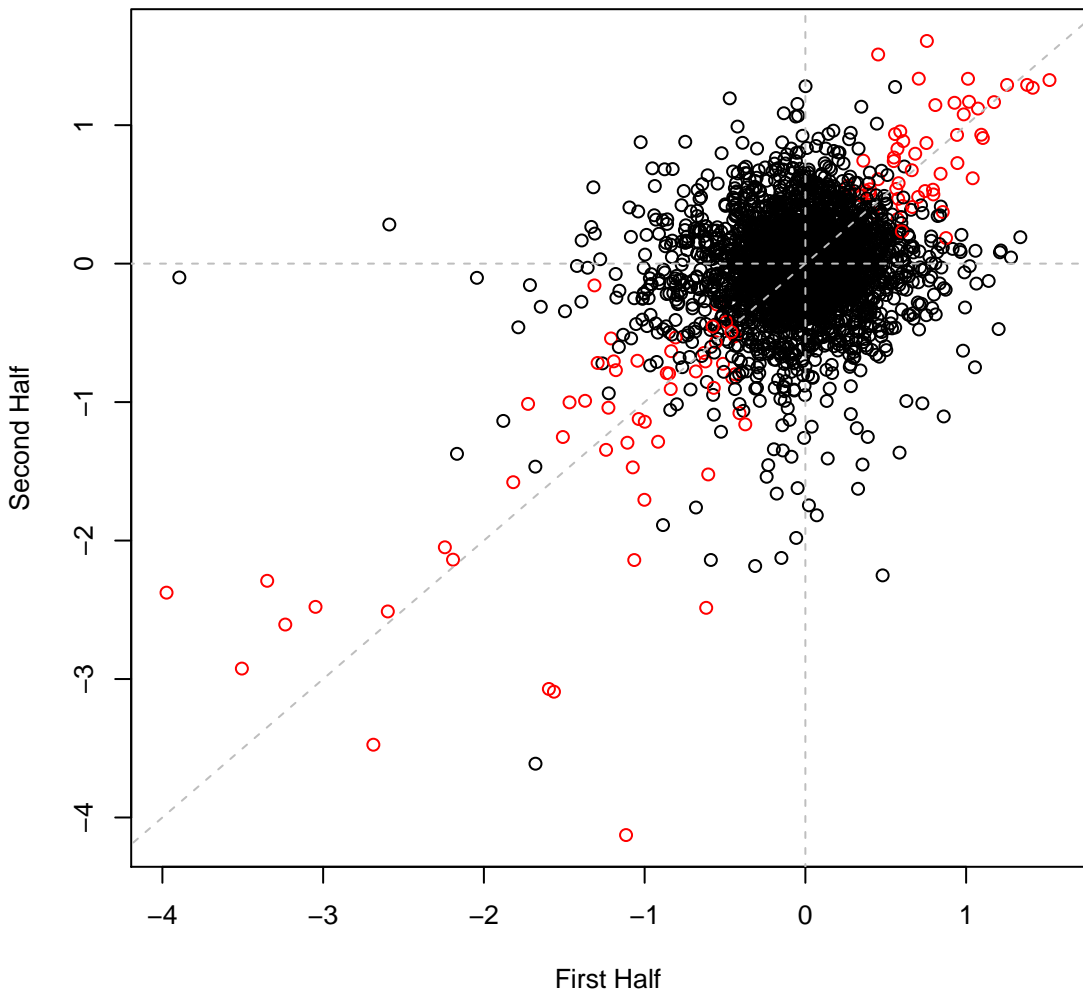


**BFirm set1IT040 #40 (gMed=229 rho12=0.110)**

**Polymyxin B sulfate 0.0625 mg/ml**

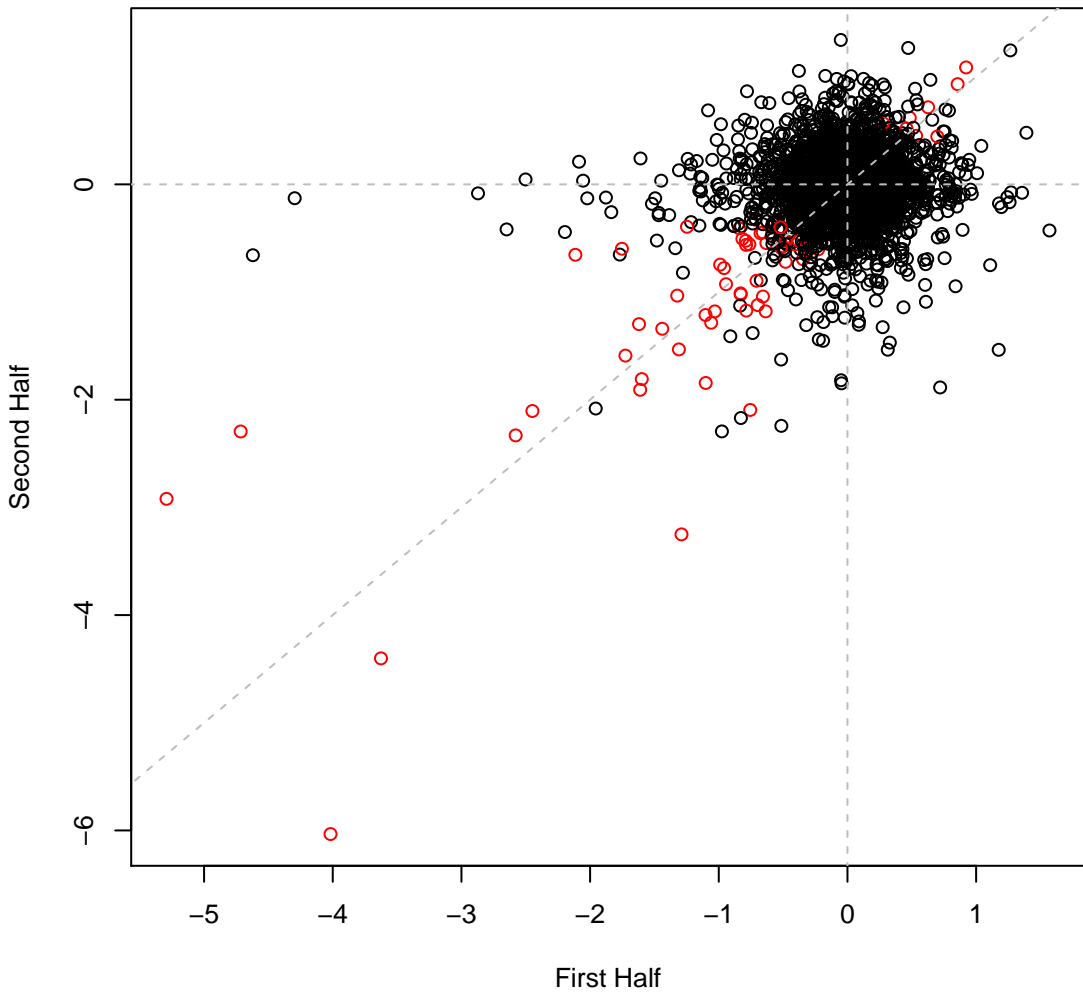


**BFirm set1IT041 #41 (gMed=202 rho12=0.169)**  
**Chloride 200 mM**

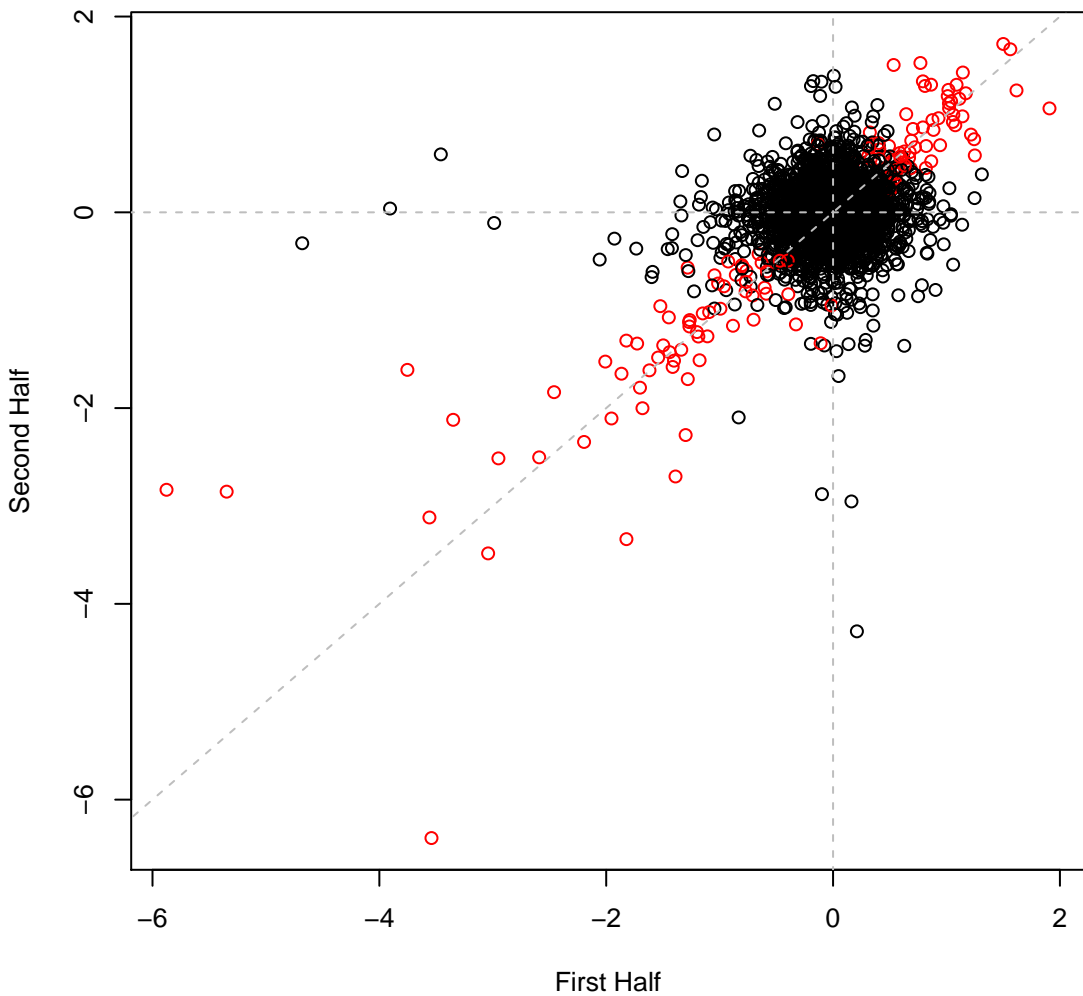


**BFirm set1IT042 #42 (gMed=175 rho12=0.093)**

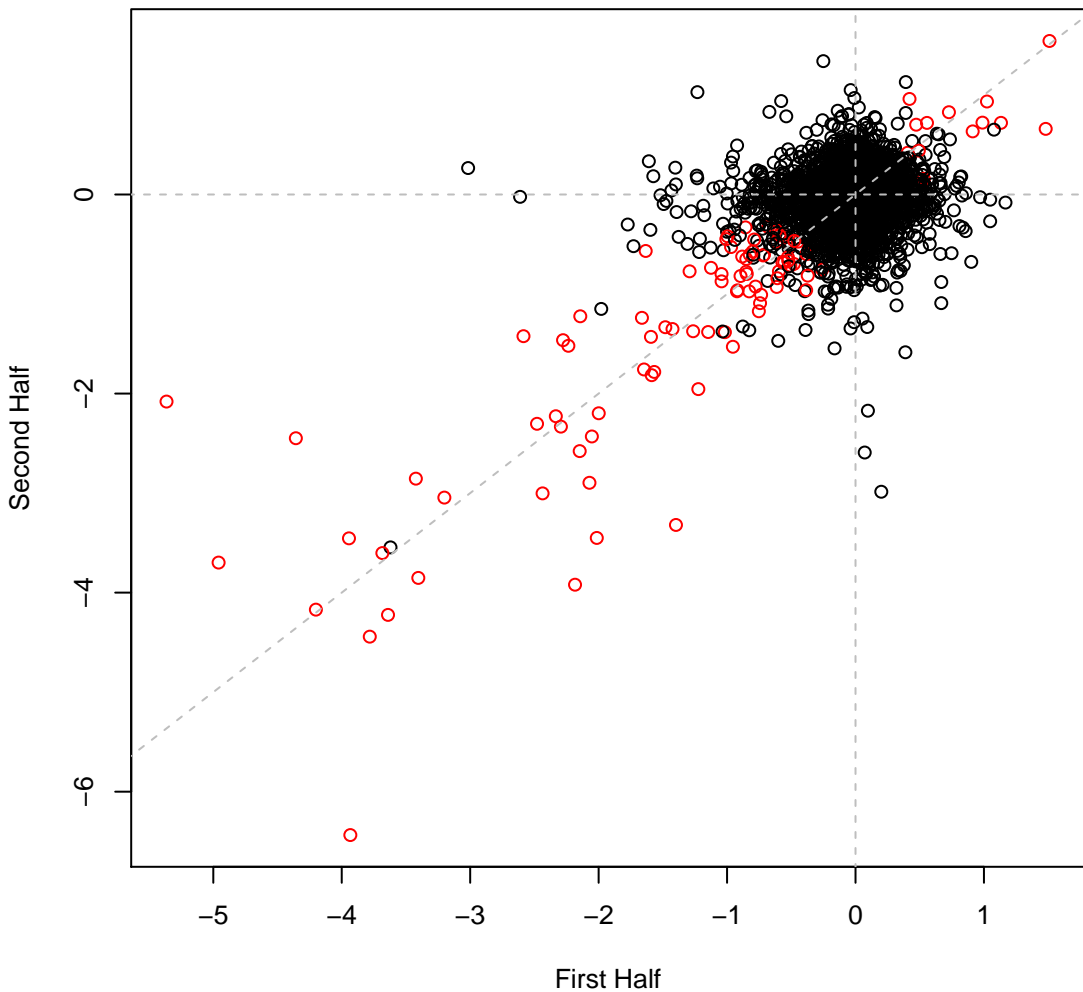
**LB**



**BFirm set1IT043 #43 (gMed=223 rho12=0.169)**  
**Benzethonium chloride 0.0016 mM**

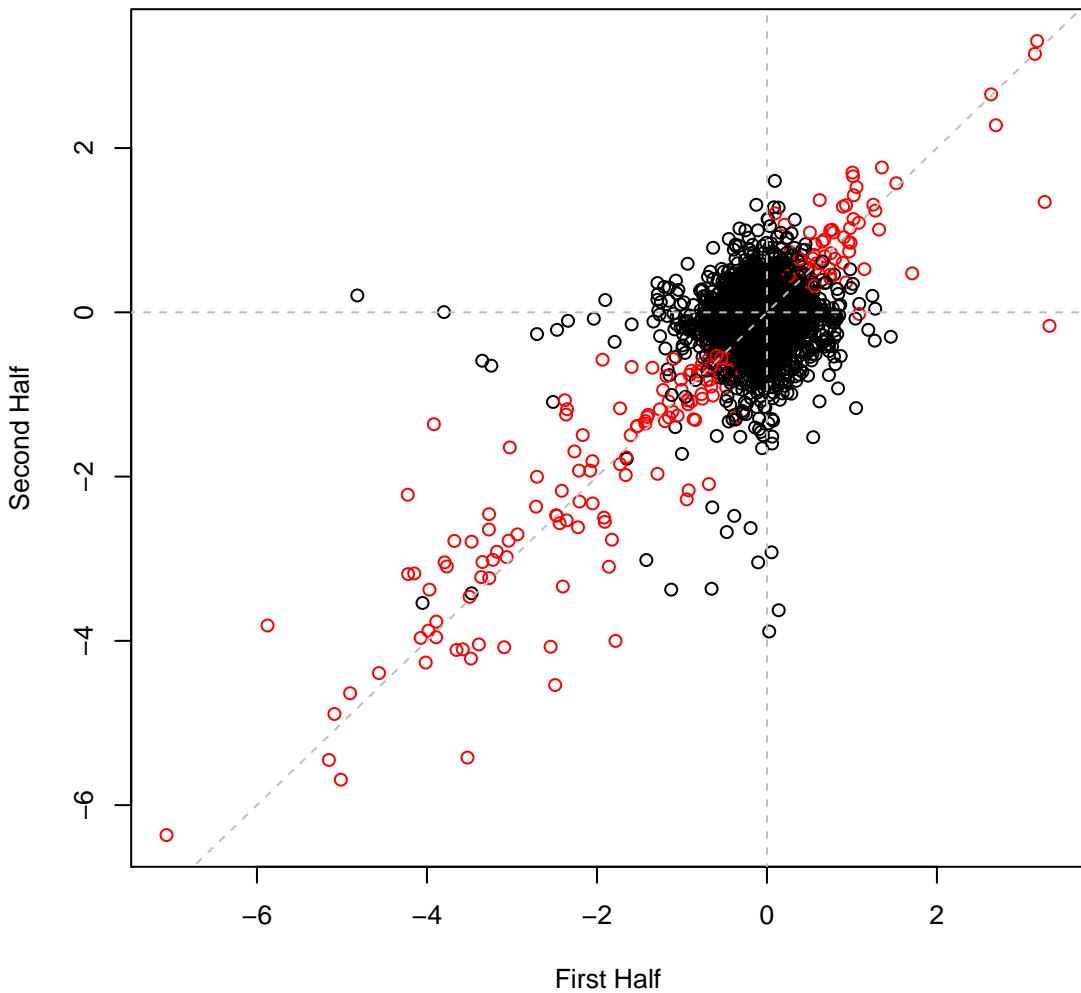


**BFirm set1IT044 #44 (gMed=218 rho12=0.182)**  
**Bacitracin 0.125 mg/ml**



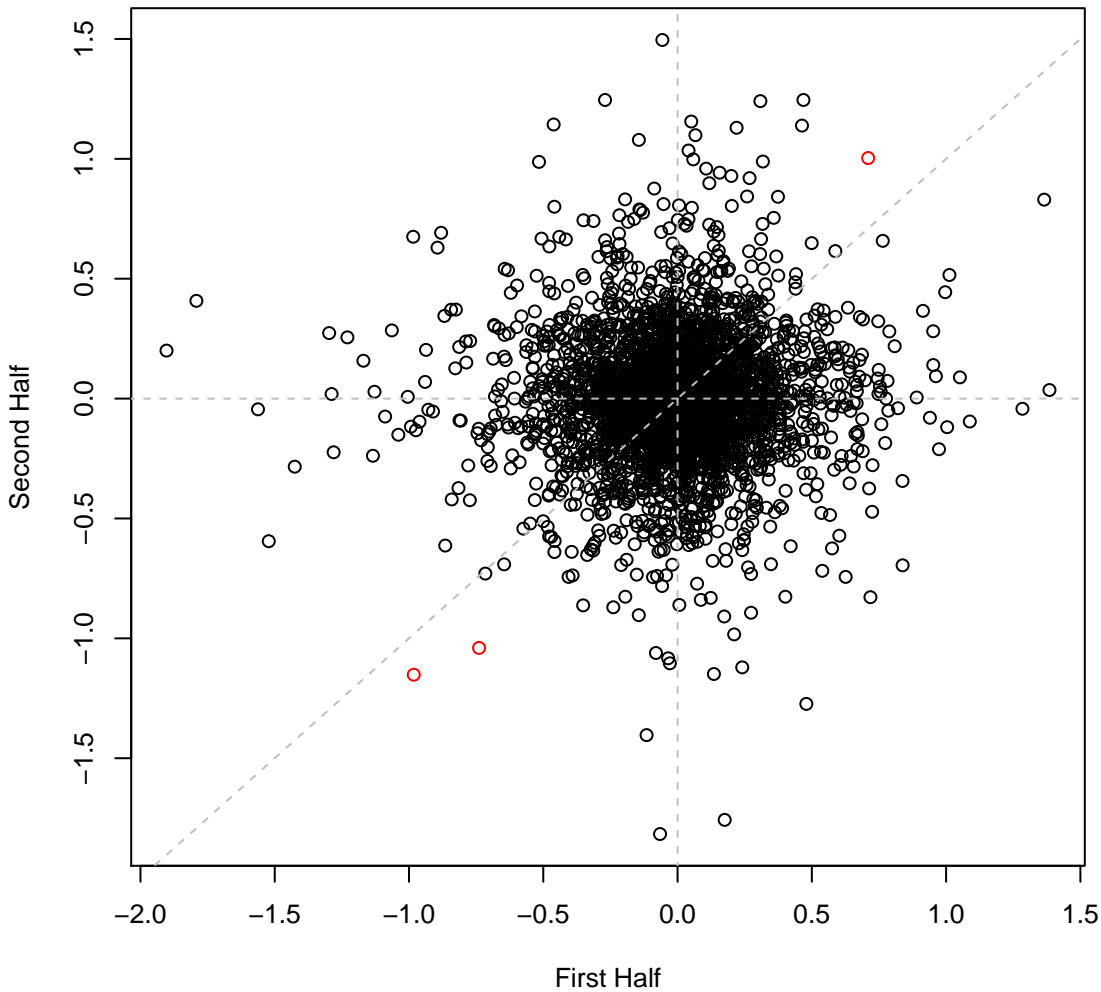
**BFirm set1IT045 #45 (gMed=181 rho12=0.252)**

**Bacitracin 0.25 mg/ml**



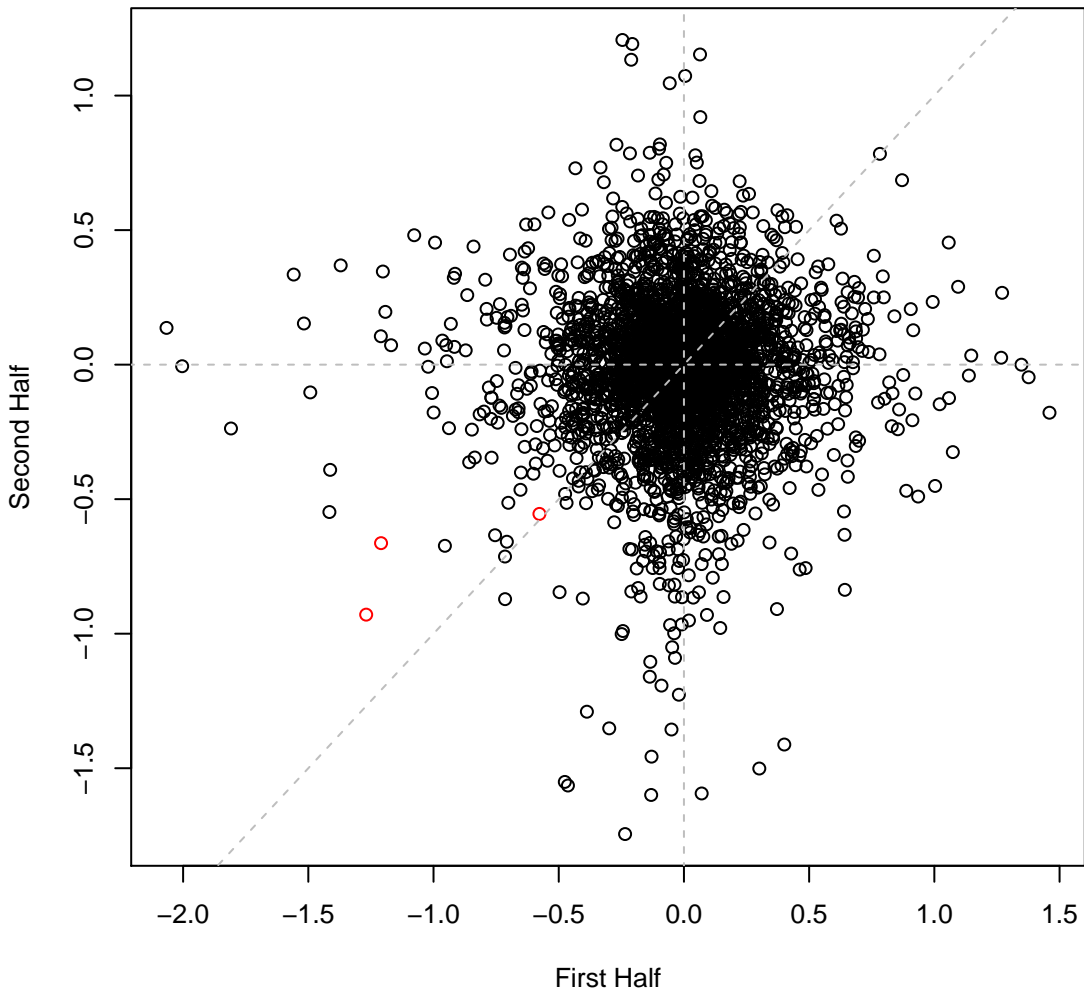
**BFirm set1IT046 #46 (gMed=213 rho12=0.022)**

**Time0**



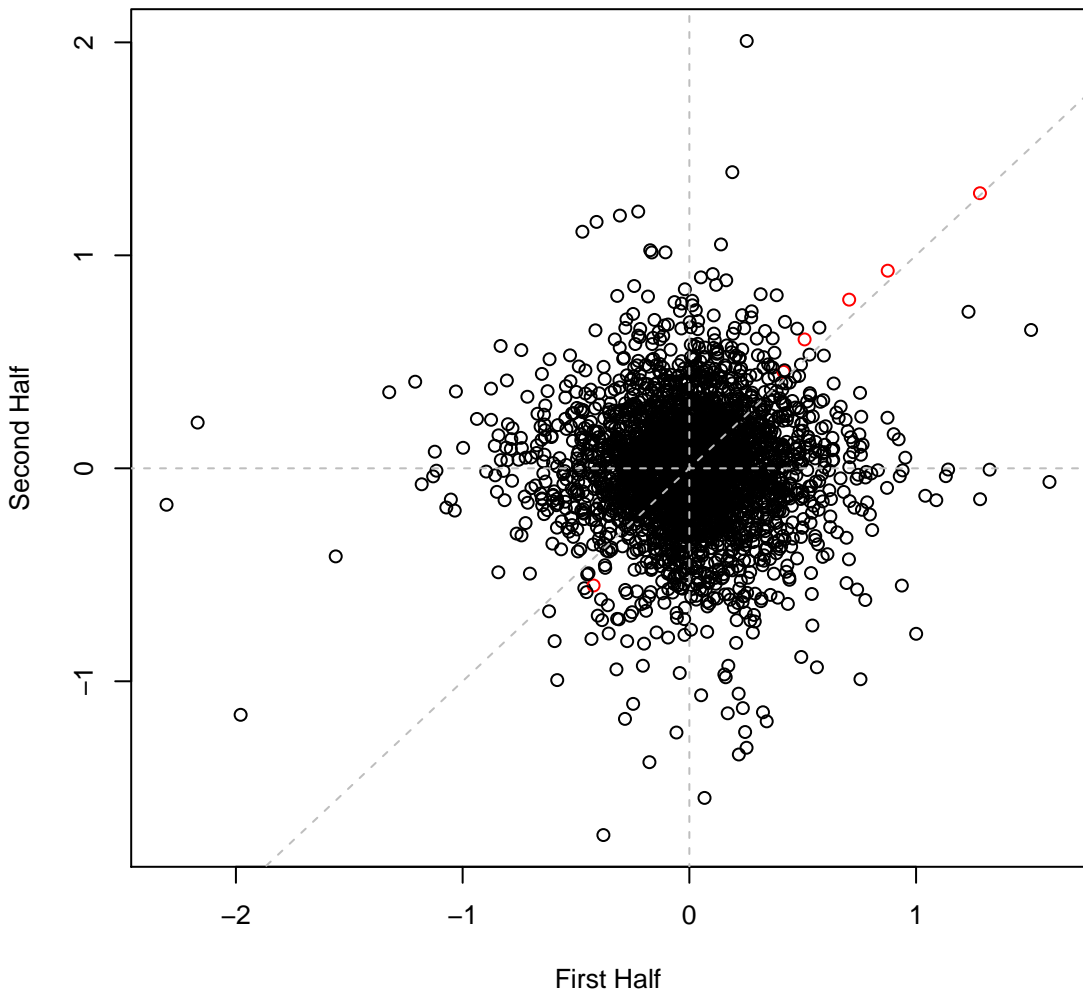
**BFirm set1IT047 #47 (gMed=175 rho12=0.020)**

**Time0**

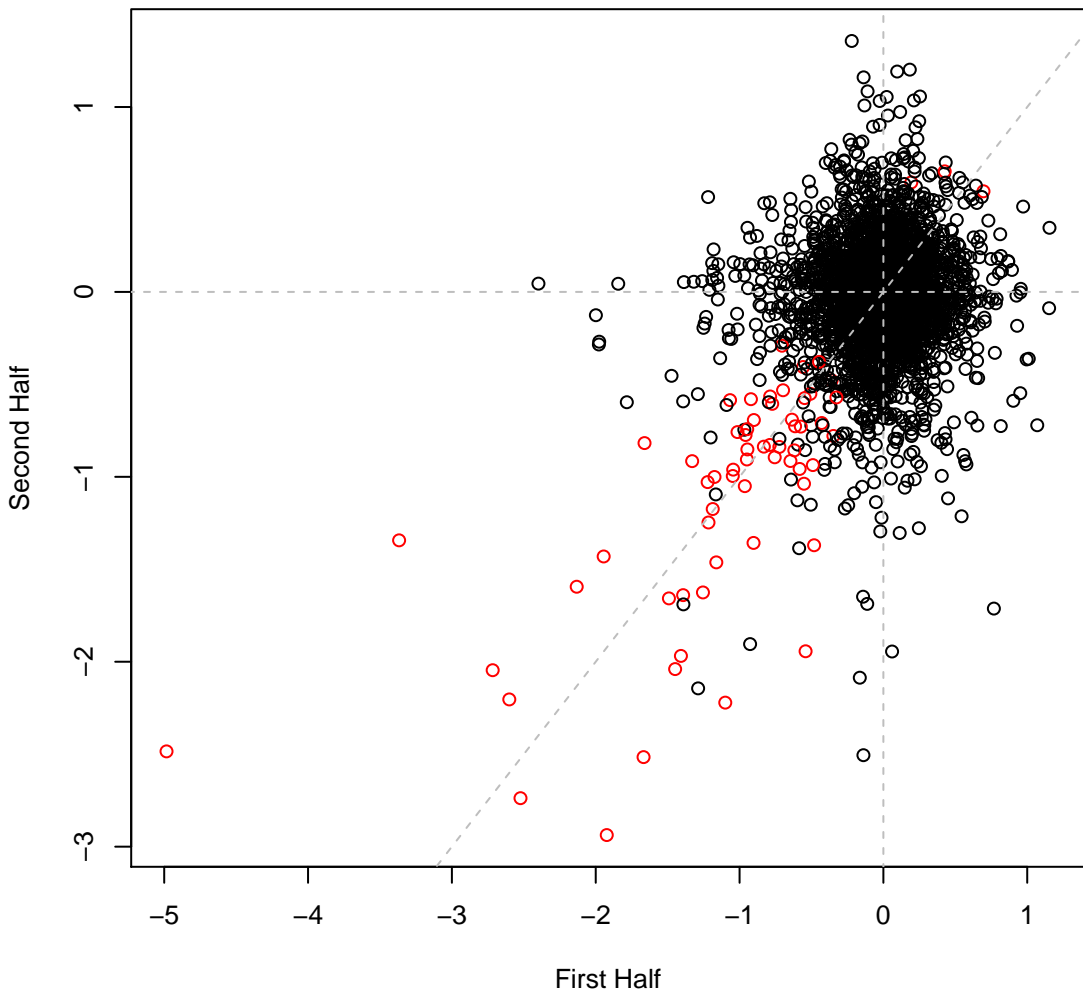


**BFirm set1IT048 #48 (gMed=175 rho12=0.016)**

**Time0**

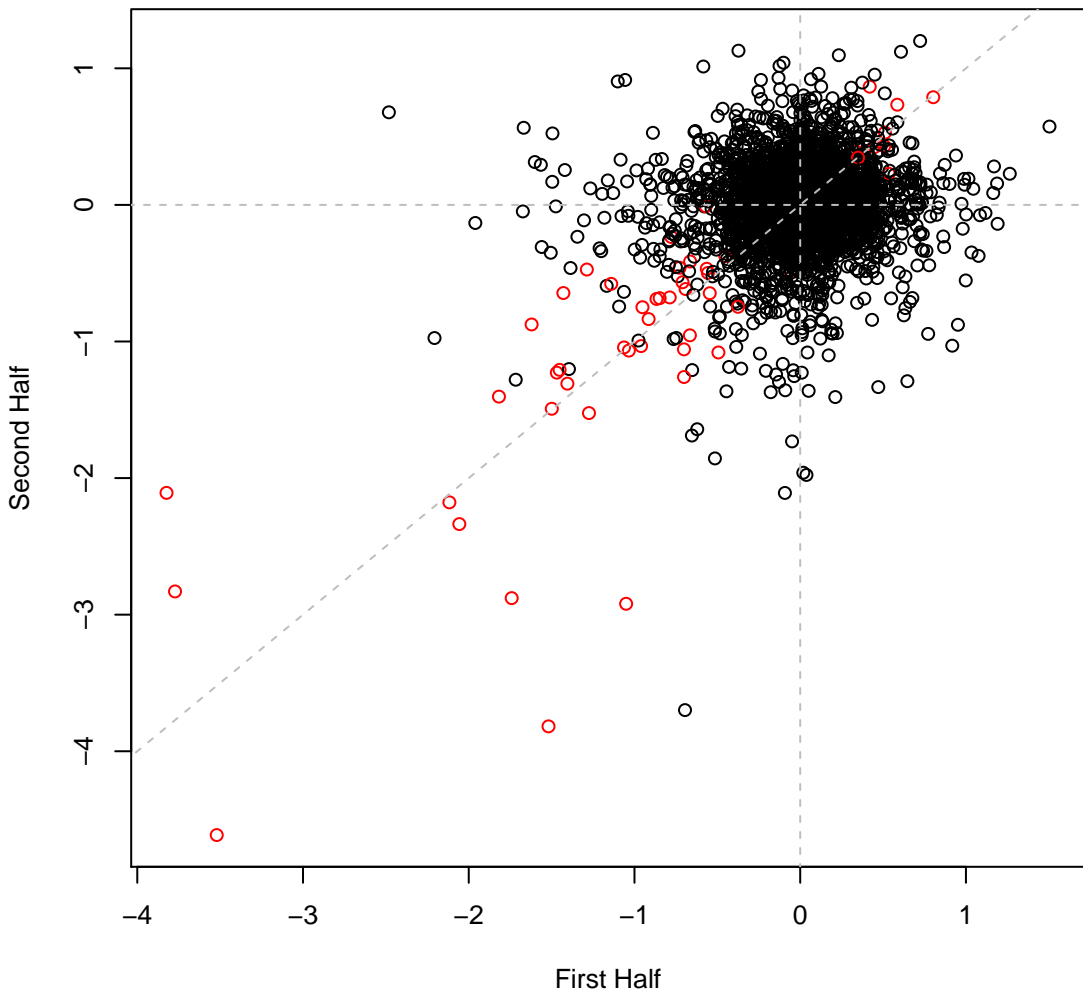


**BFirm set2IT049 #49 (gMed=280 rho12=0.104)**  
**Dimethyl Sulfoxide 6 vol%**

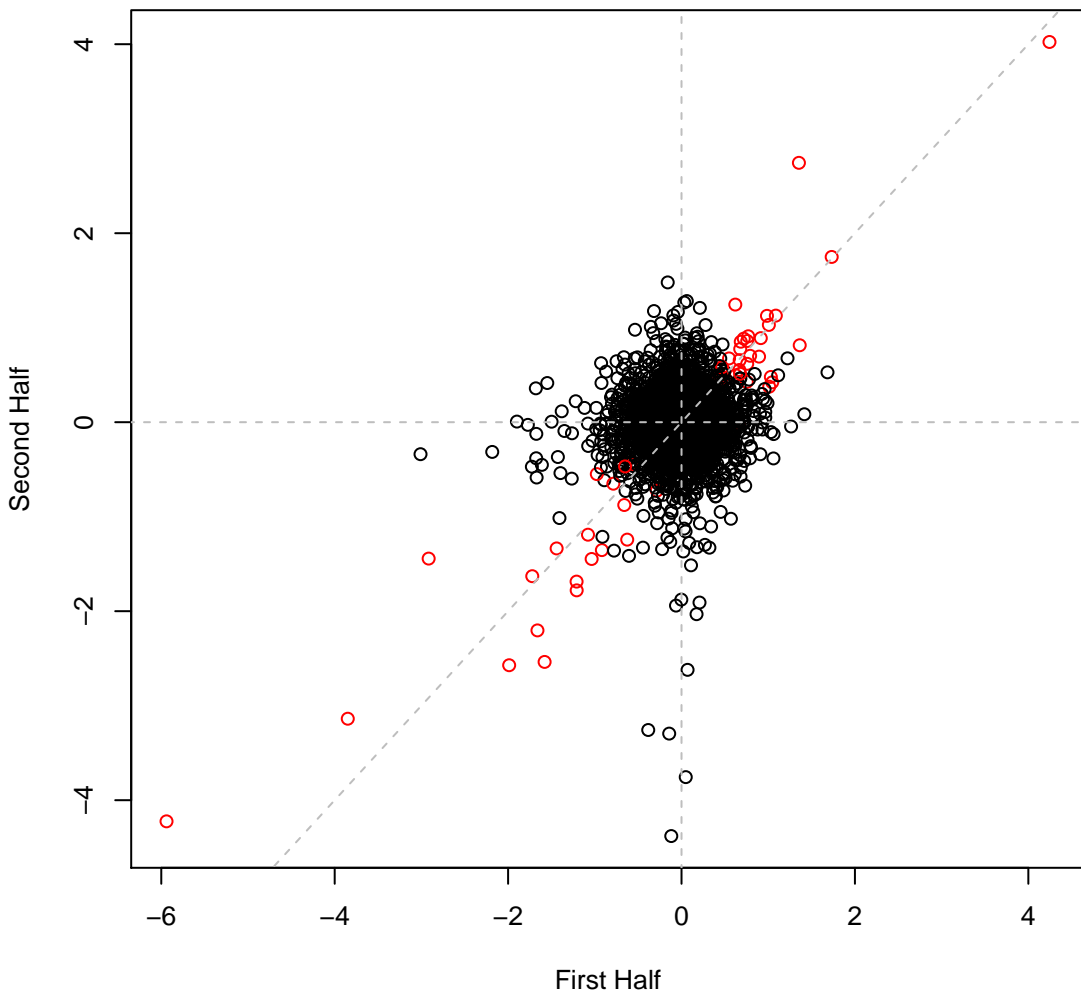


**BFirm set2IT050 #50 (gMed=250 rho12=0.113)**

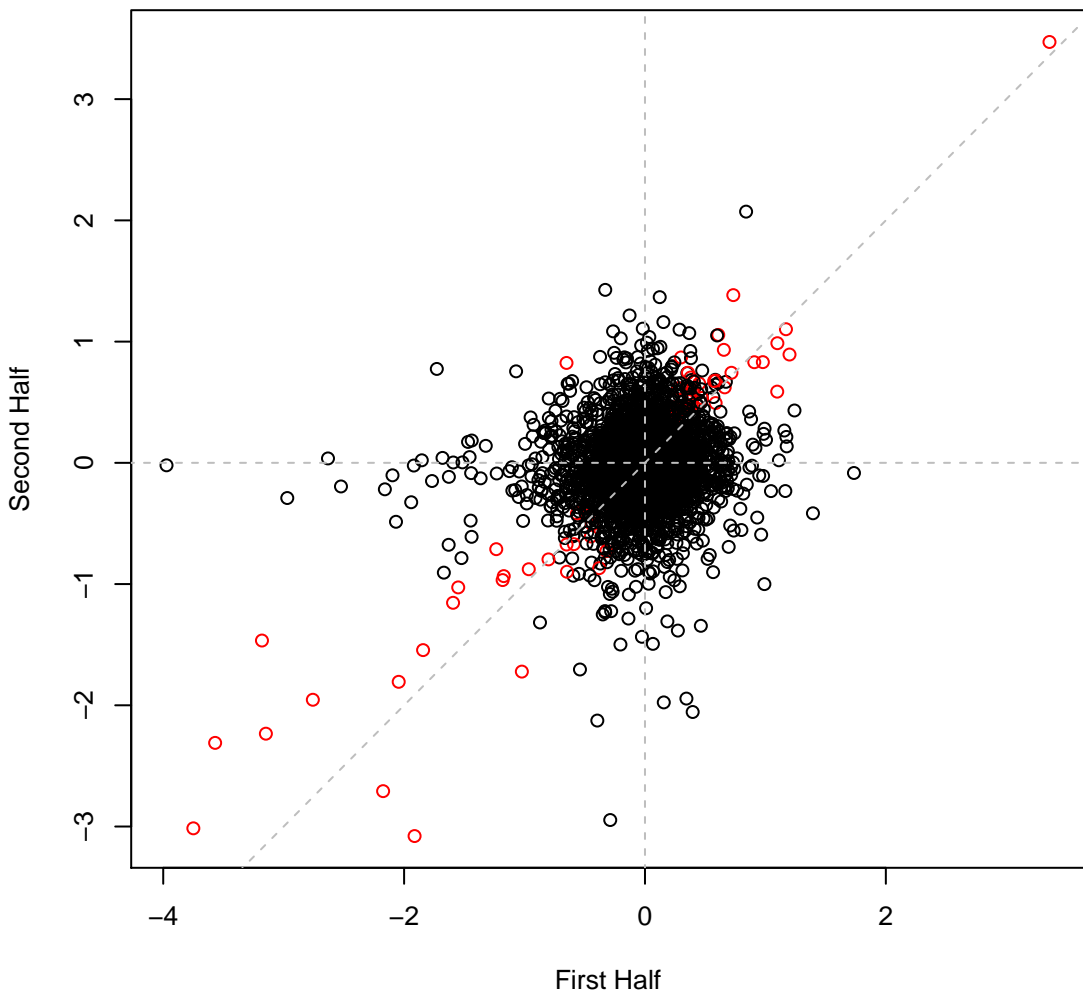
**LB**



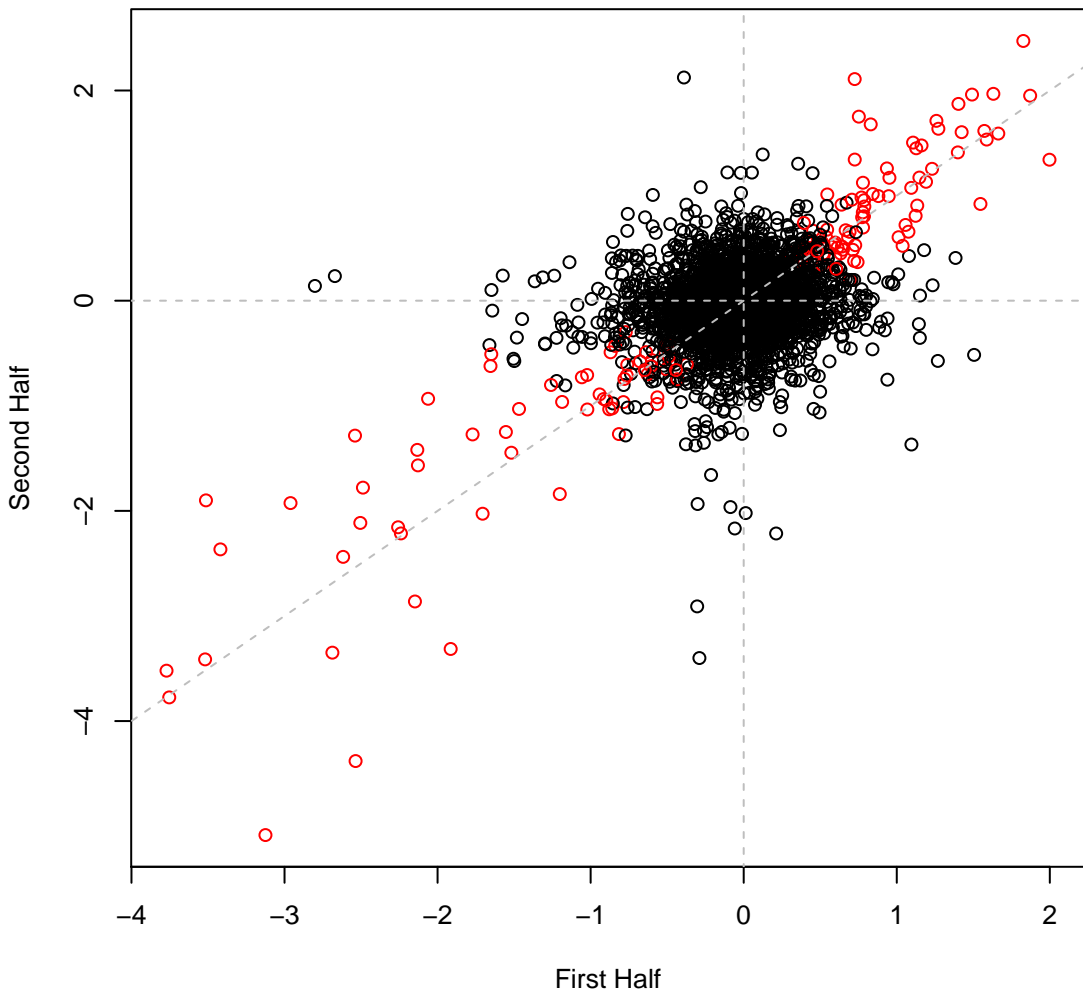
**BFirm set2IT051 #51 (gMed=249 rho12=0.093)**  
**Cephalothin 1 mg/ml**



**BFirm set2IT052 #52 (gMed=214 rho12=0.143)**  
**Cephalothin 2 mg/ml**

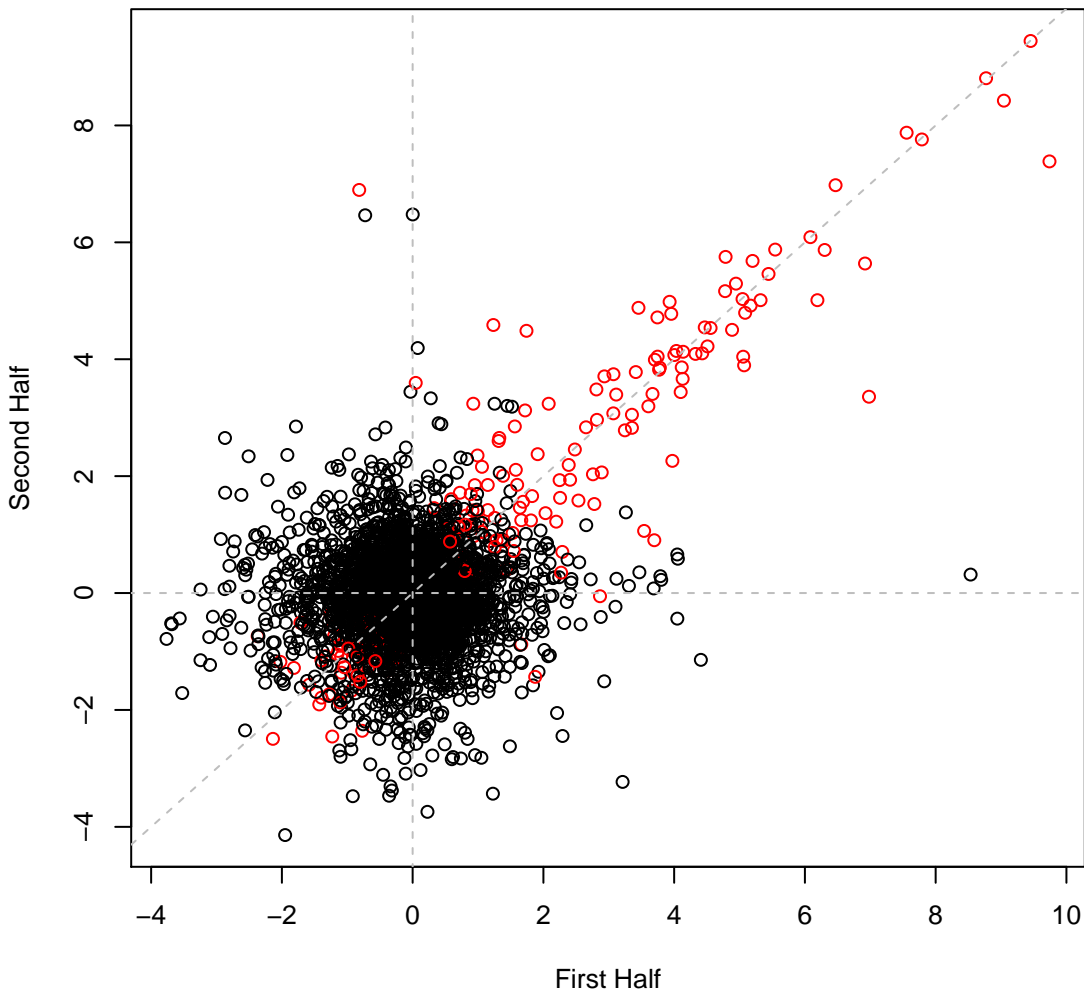


**BFirm set2IT053 #53 (gMed=206 rho12=0.237)**  
**Lomefloxacin 0.001 mM**

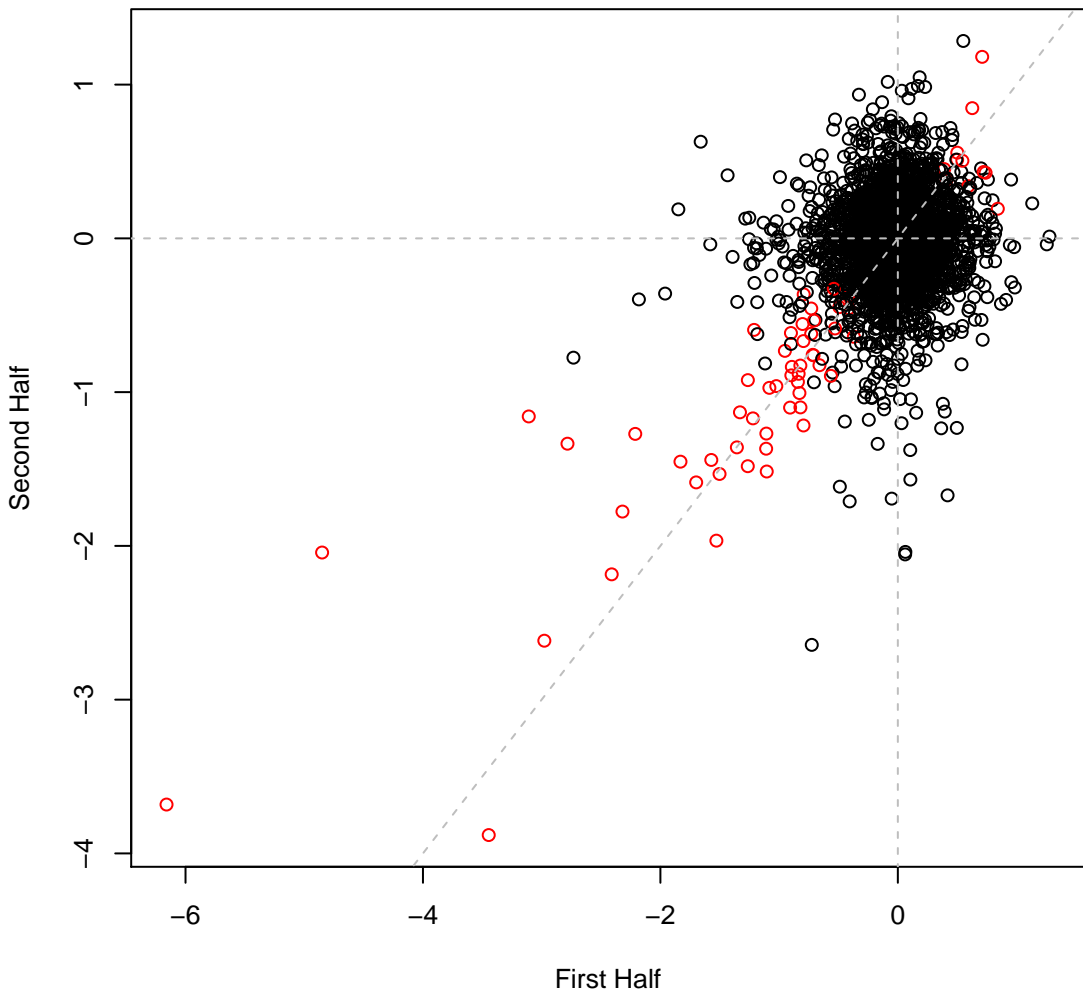


**BFirm set2IT054 #54 (gMed=82 rho12=0.135)**

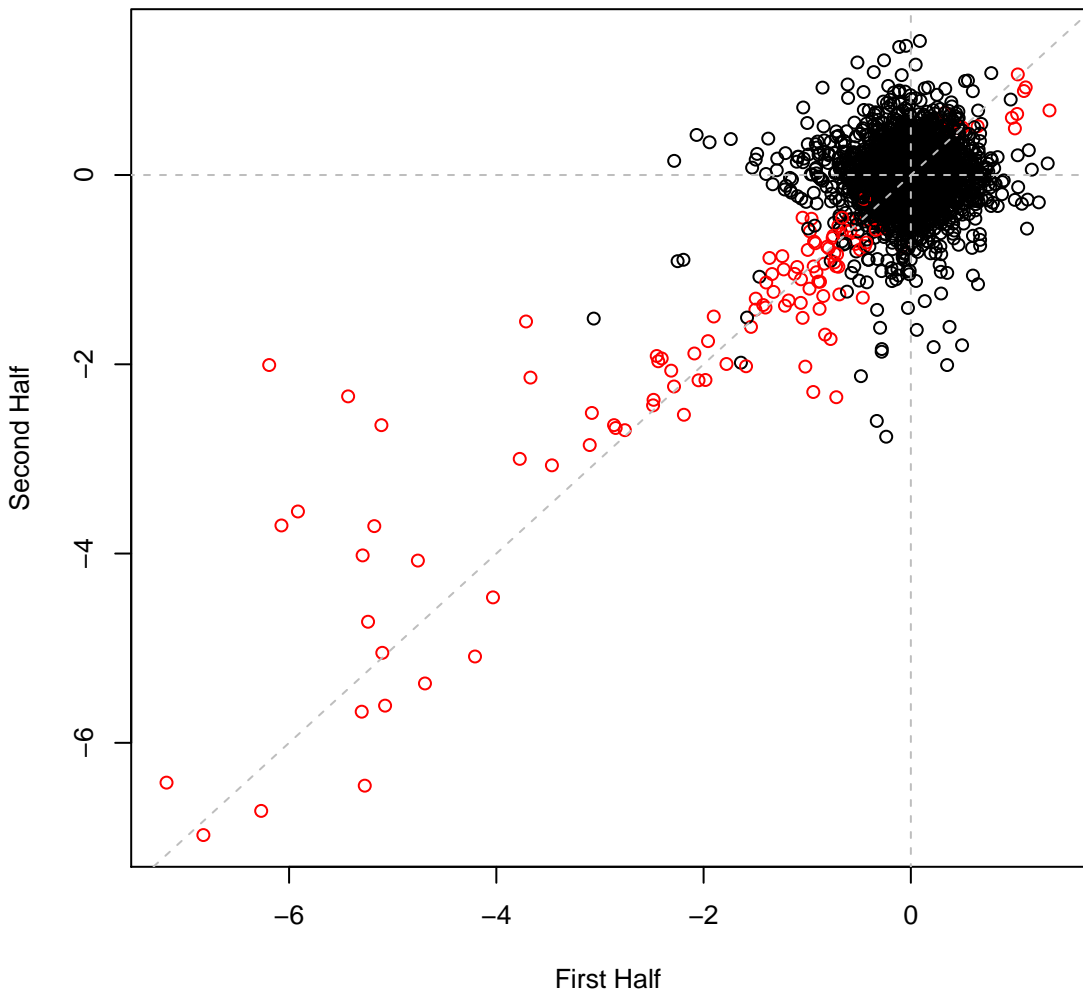
**D-Cycloserine 0.05 mg/ml**



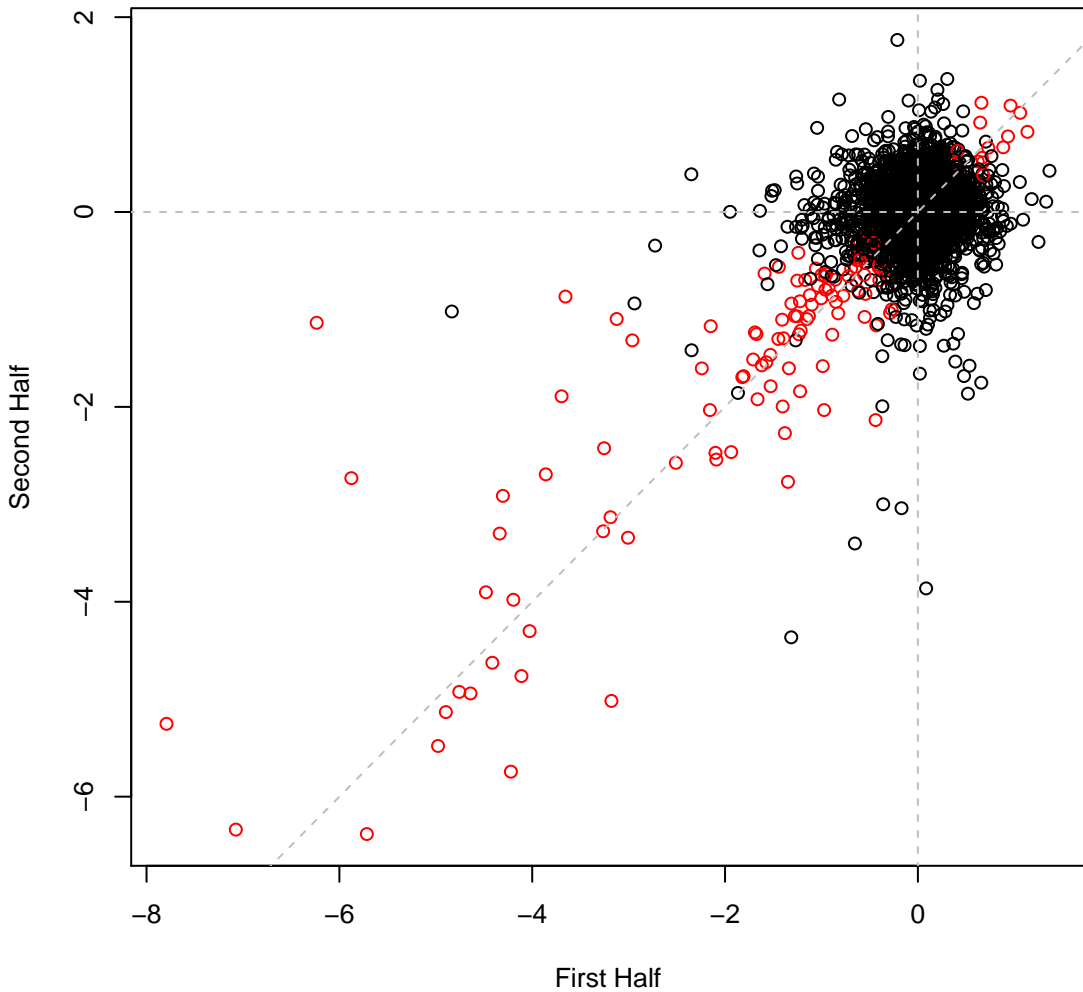
**BFirm set2IT055 #55 (gMed=261 rho12=0.110)**  
**LB**



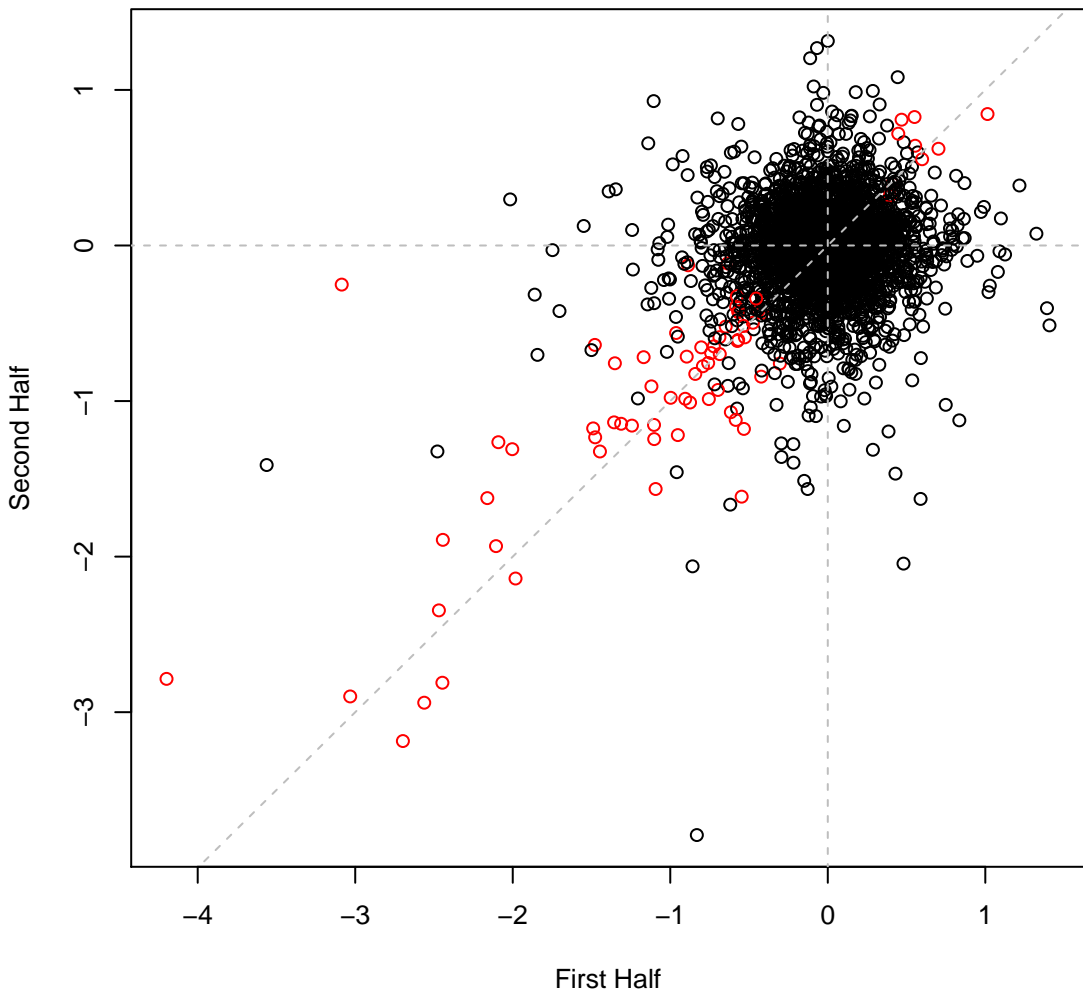
**BFirm set2IT056 #56 (gMed=265 rho12=0.135)**  
**LB, pH4**



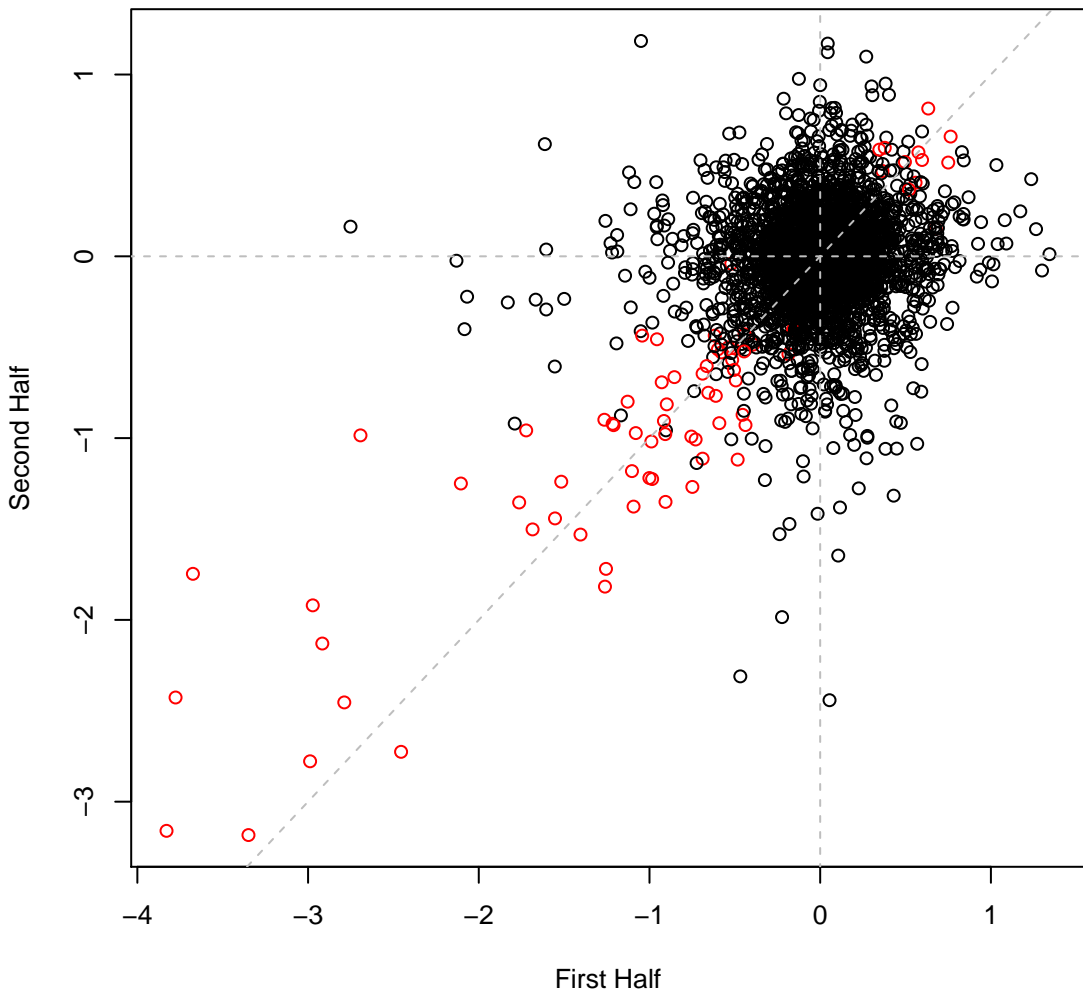
**BFirm set2IT057 #57 (gMed=226 rho12=0.162)**  
**LB, pH4**



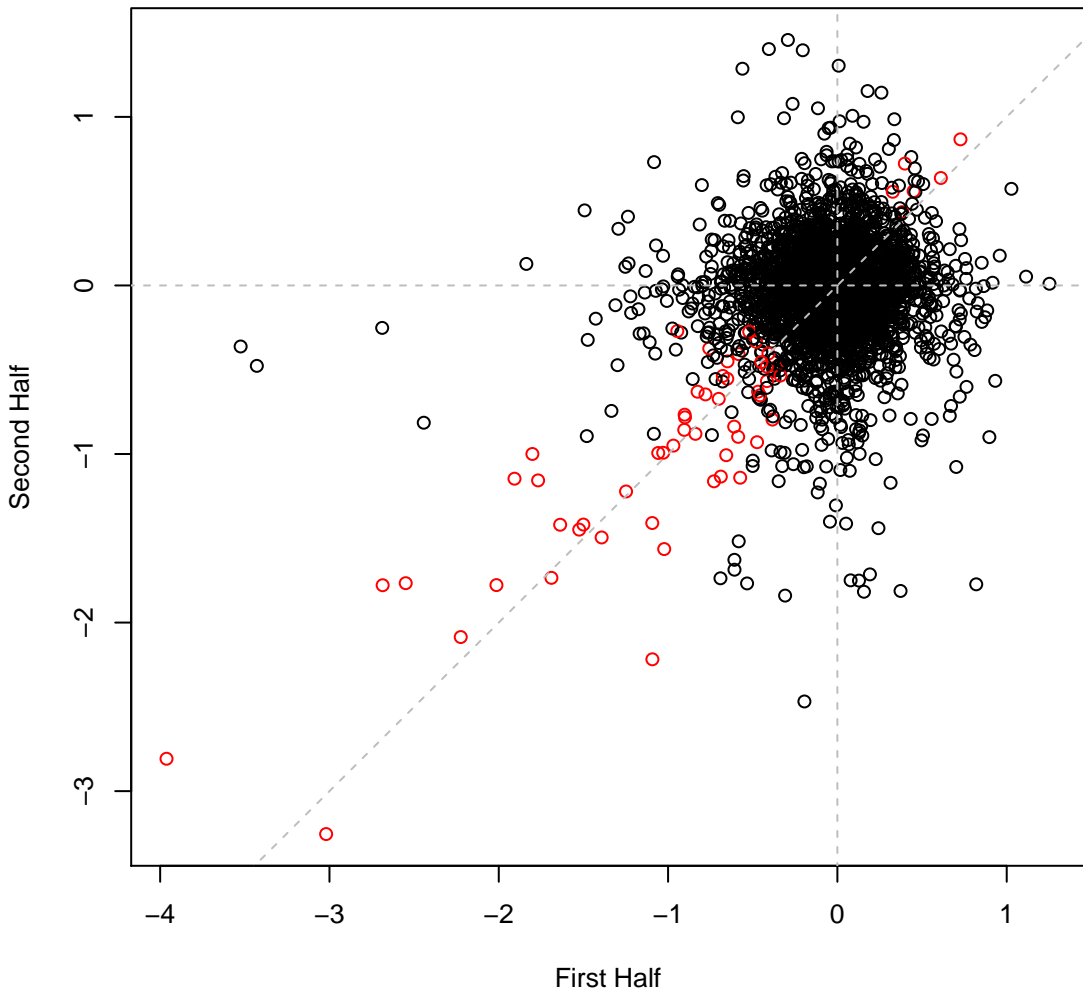
**BFirm set2IT058 #58 (gMed=237 rho12=0.109)**  
**LB, pH5**



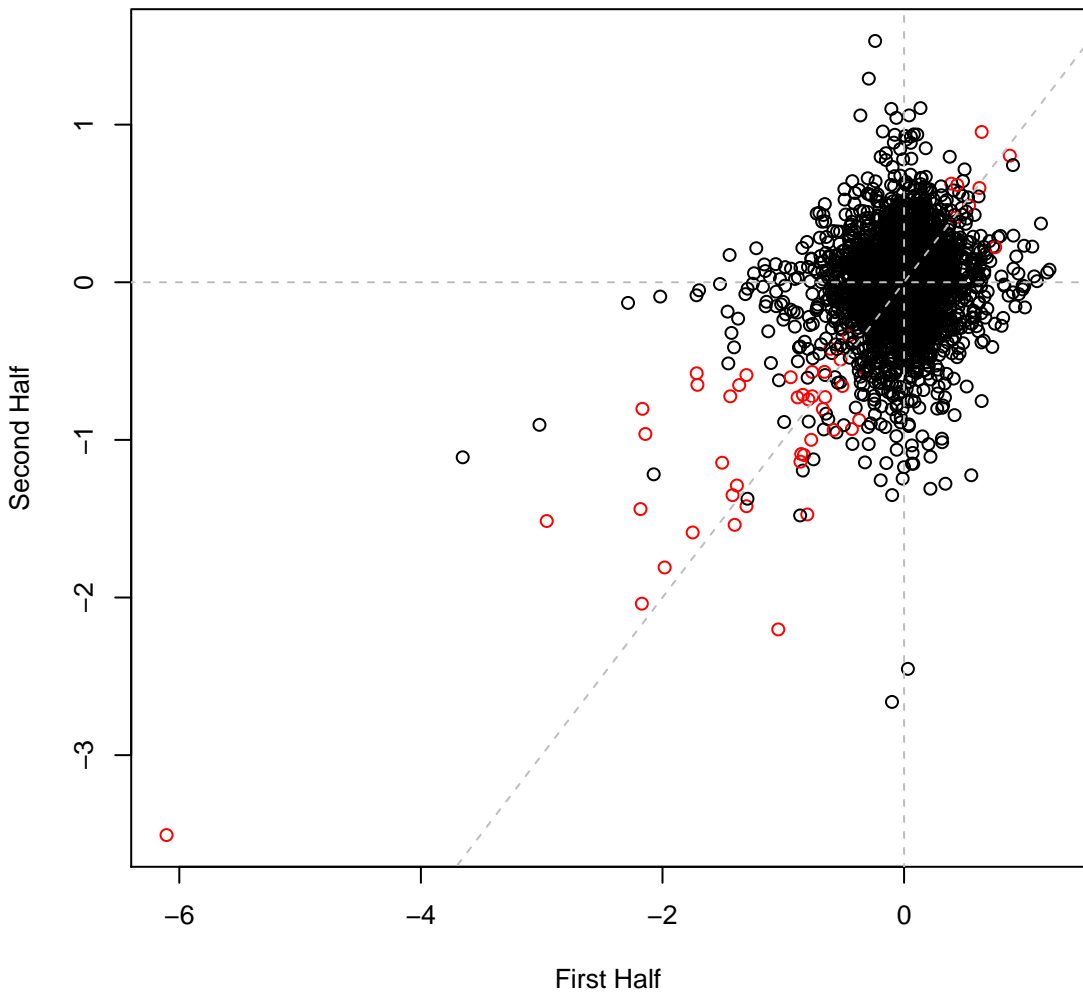
**BFirm set2IT059 #59 (gMed=256 rho12=0.141)**  
**LB, pH5**



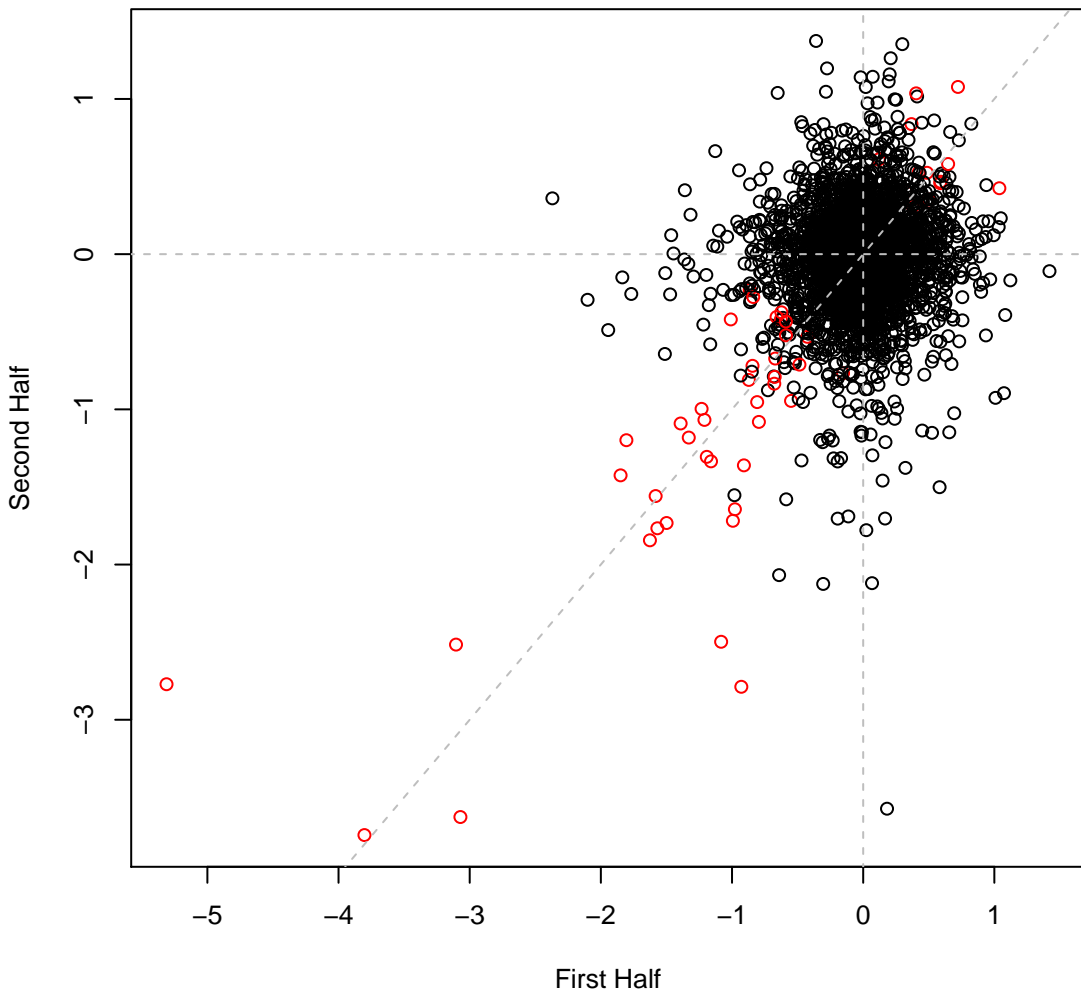
**BFirm set2IT060 #60 (gMed=196 rho12=0.091)**  
**LB, pH6**



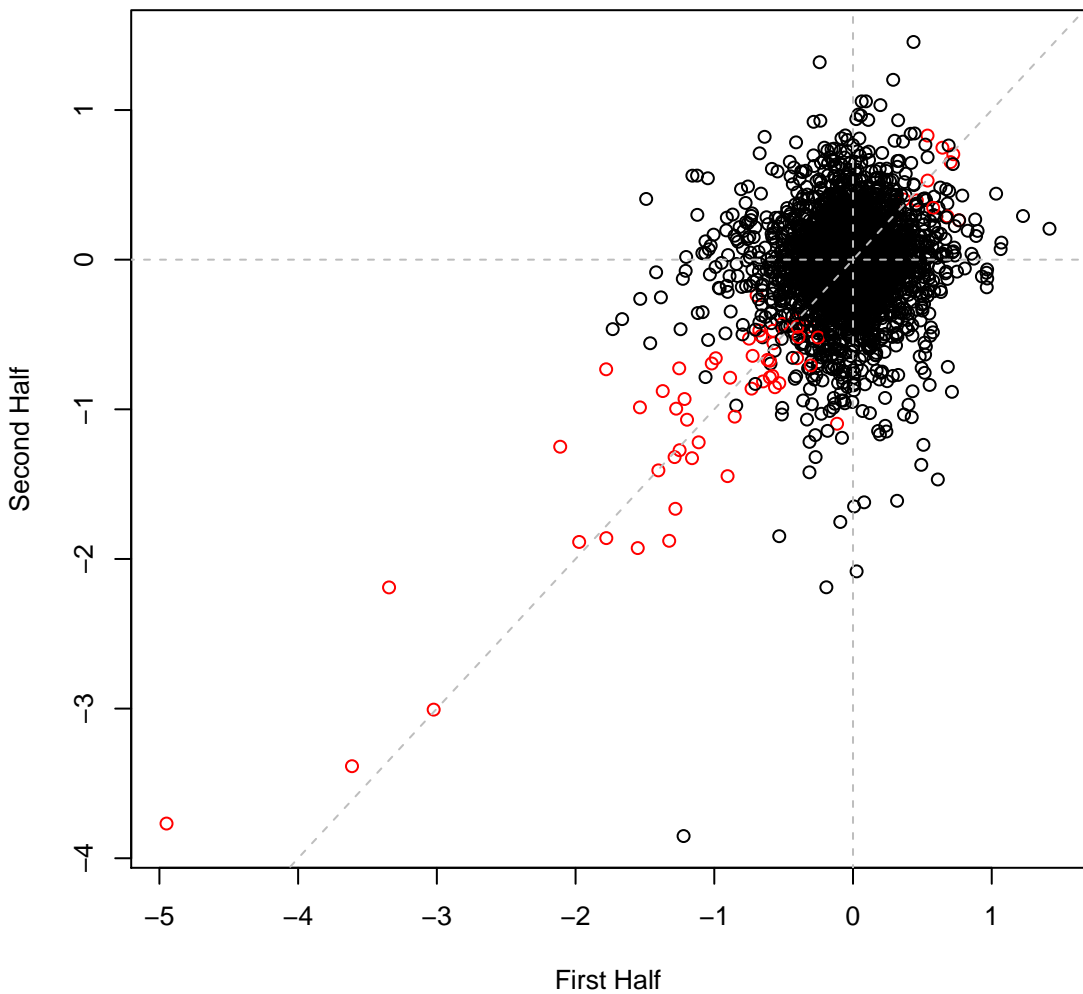
**BFirm set2IT061 #61 (gMed=253 rho12=0.132)**  
**LB, pH6**



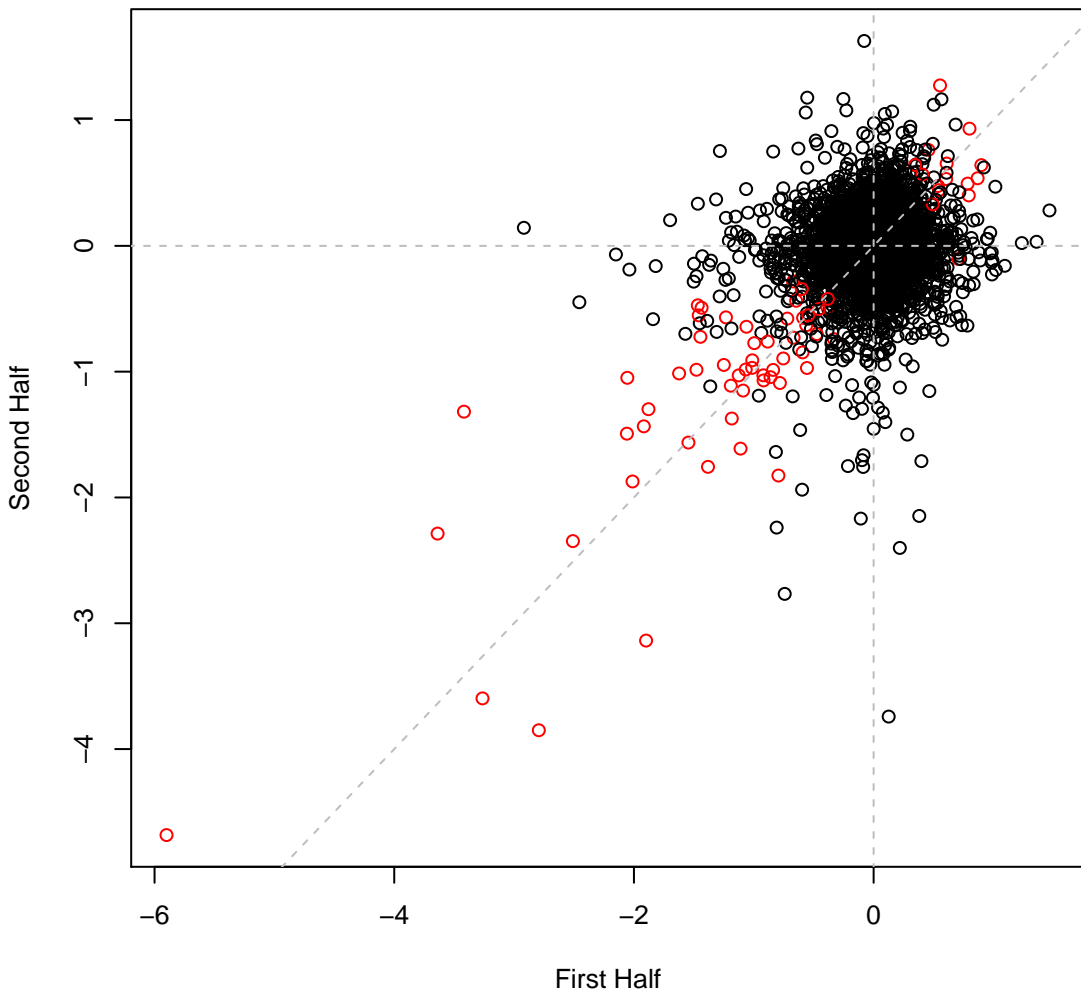
**BFirm set2IT062 #62 (gMed=273 rho12=0.111)**  
**LB, pH7**



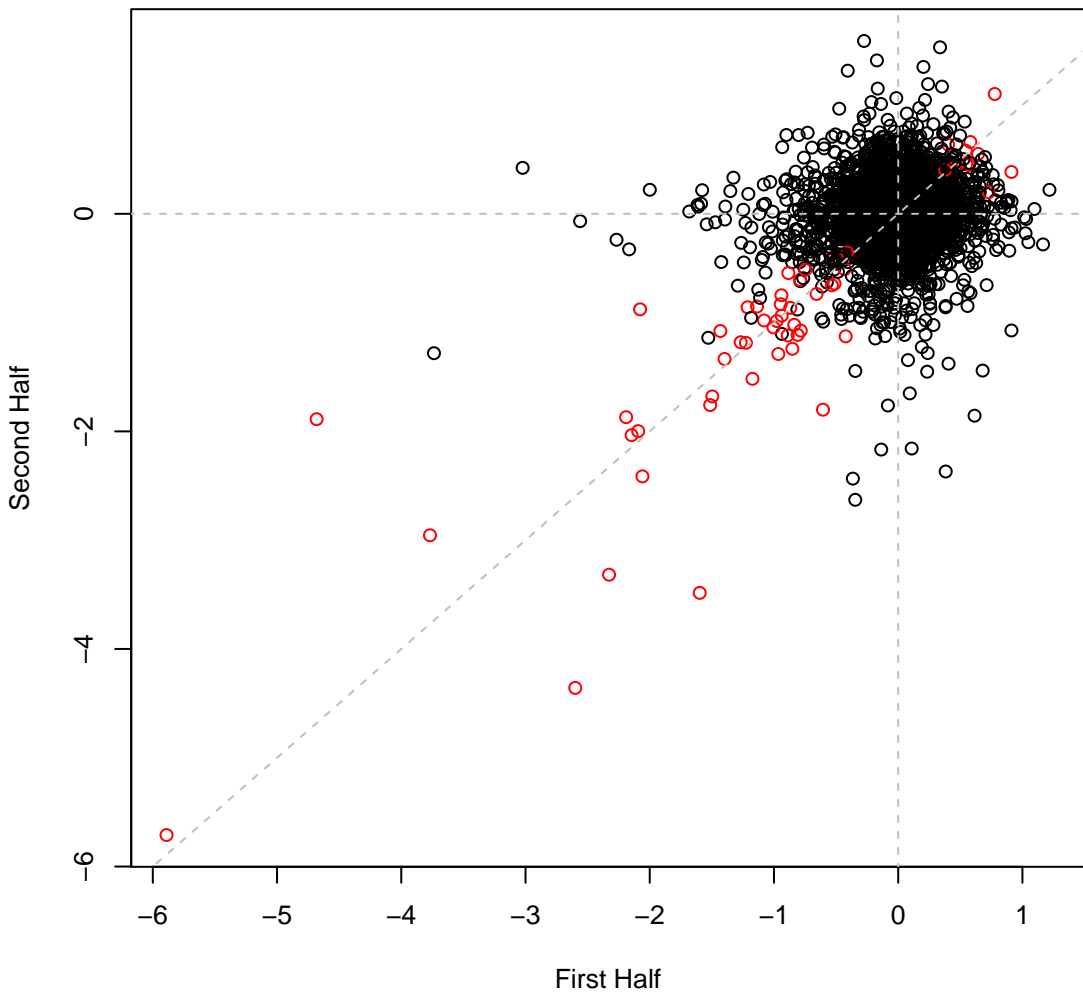
**BFirm set2IT063 #63 (gMed=259 rho12=0.114)**  
**LB, pH7**



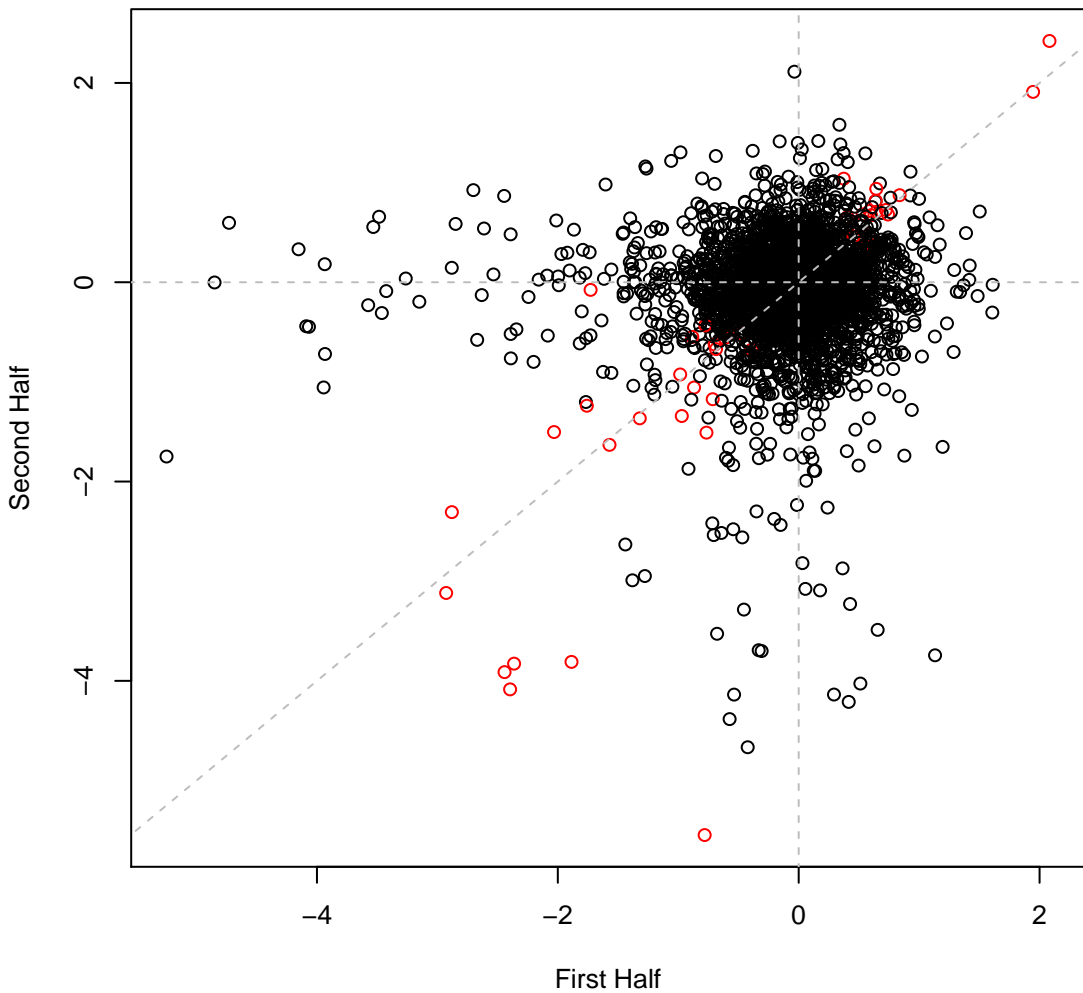
**BFirm set2IT064 #64 (gMed=210 rho12=0.126)**  
**LB, 23C**



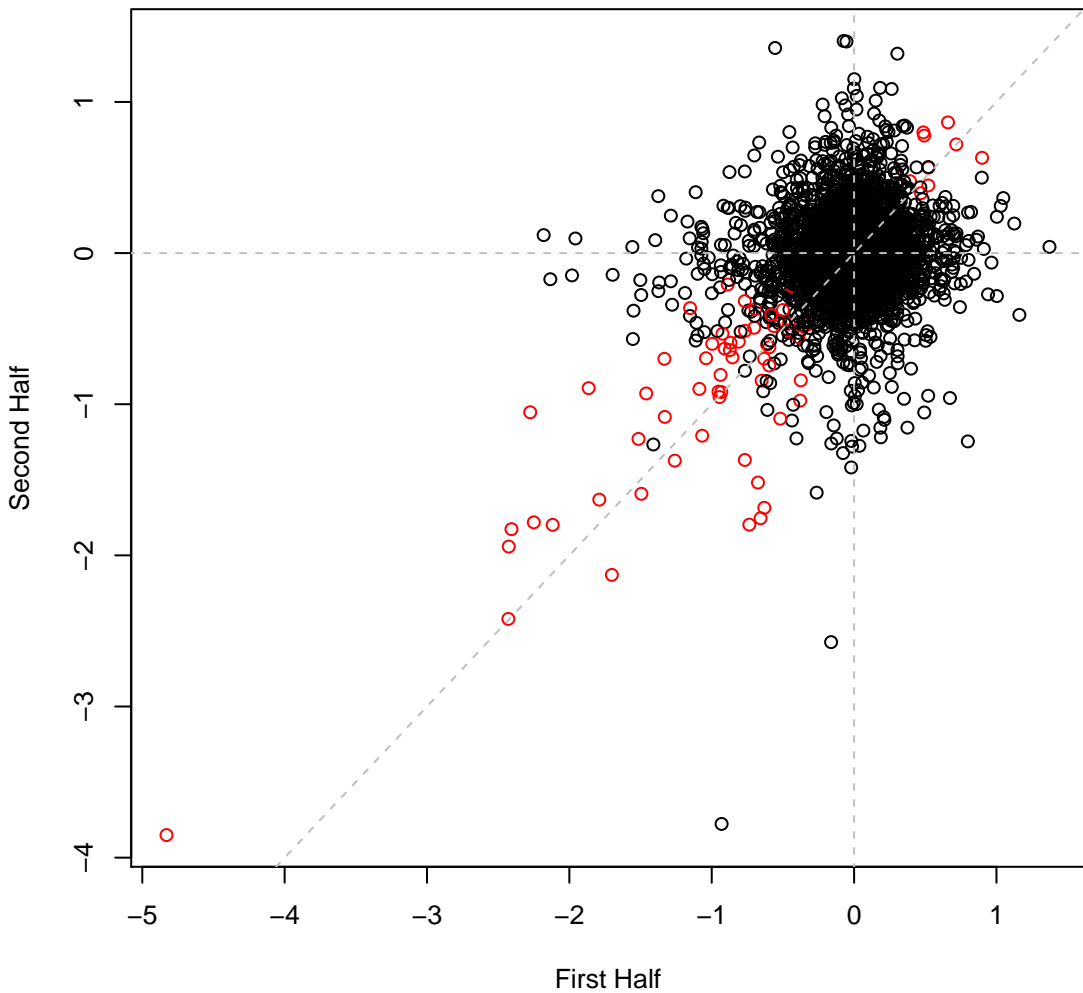
**BFirm set2IT065 #65 (gMed=213 rho12=0.122)**  
**LB, 23C**



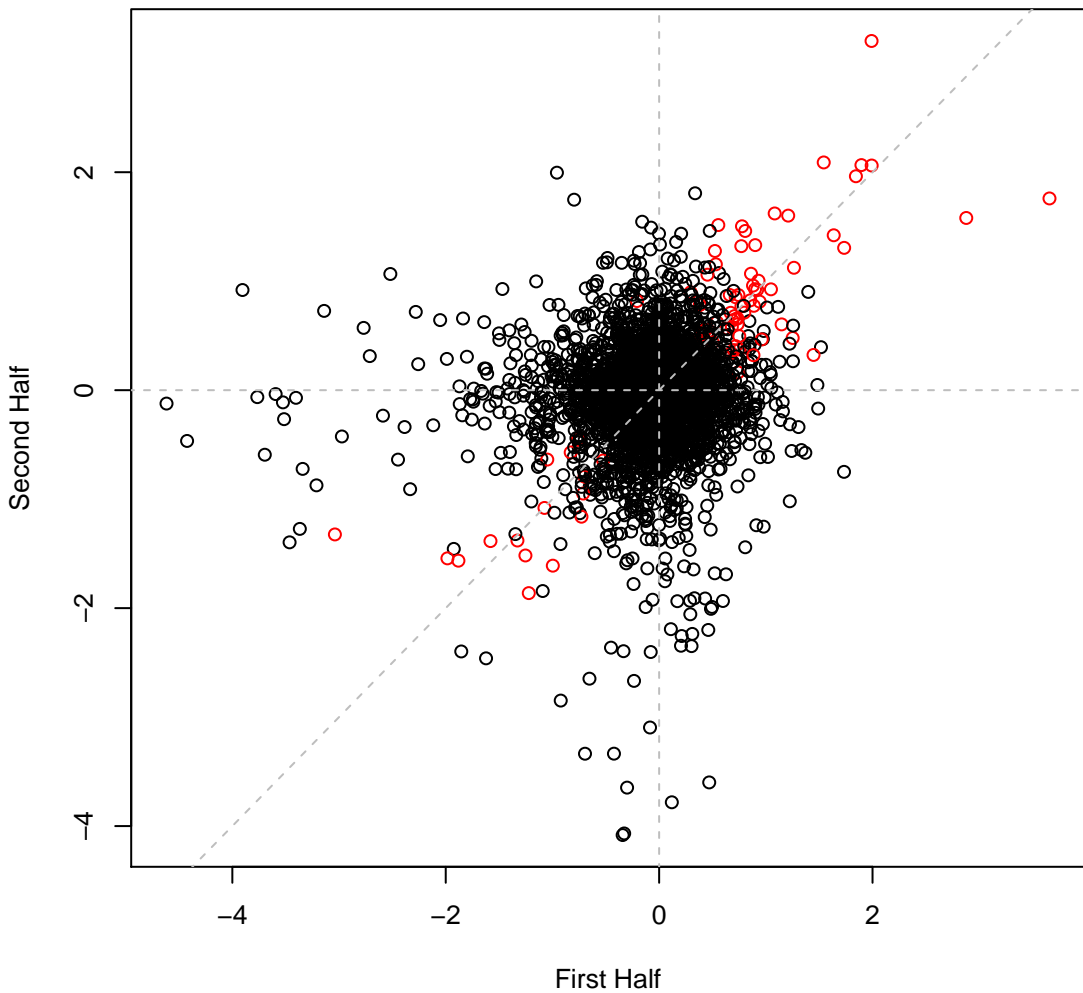
**BFirm set2IT066 #66 (gMed=193 rho12=0.100)**  
**LB, 30C**



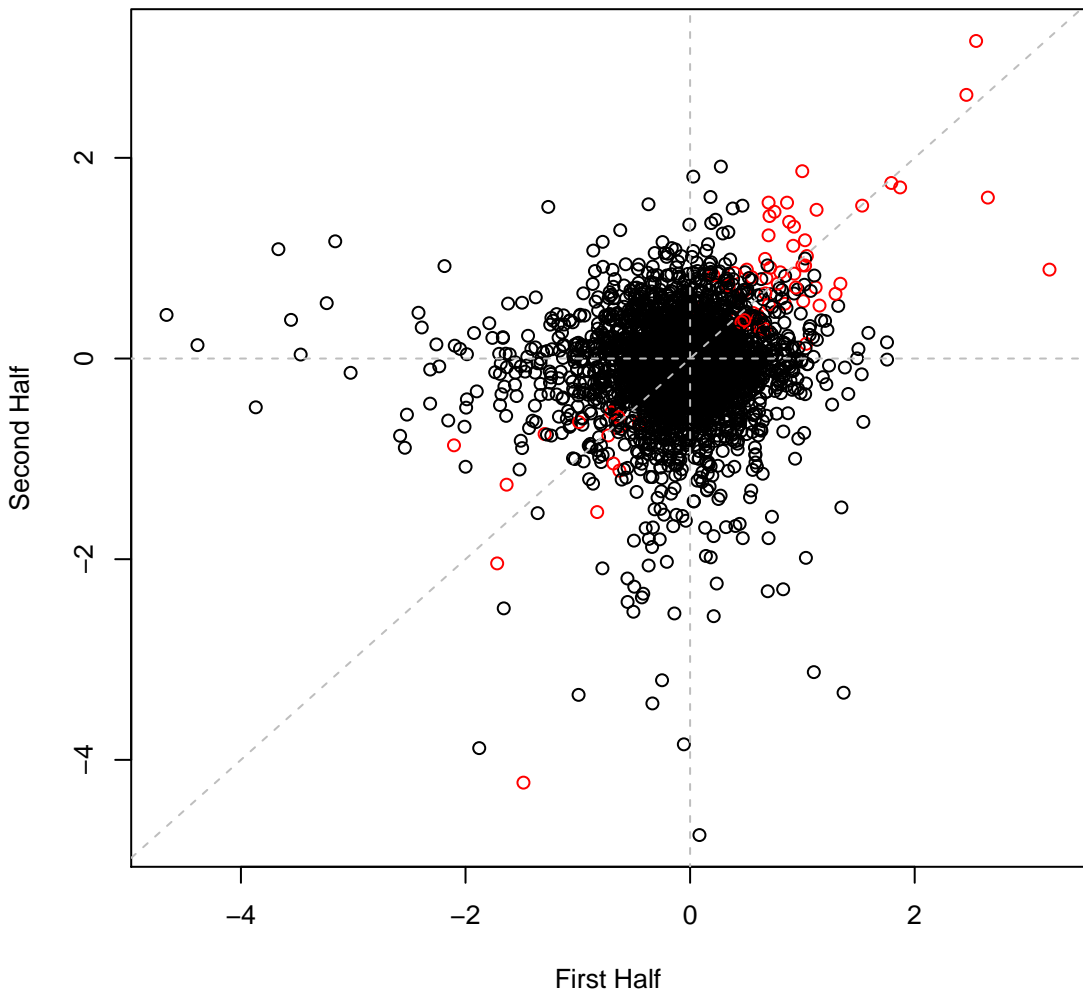
**BFirm set2IT067 #67 (gMed=228 rho12=0.146)**  
**LB, 30C**



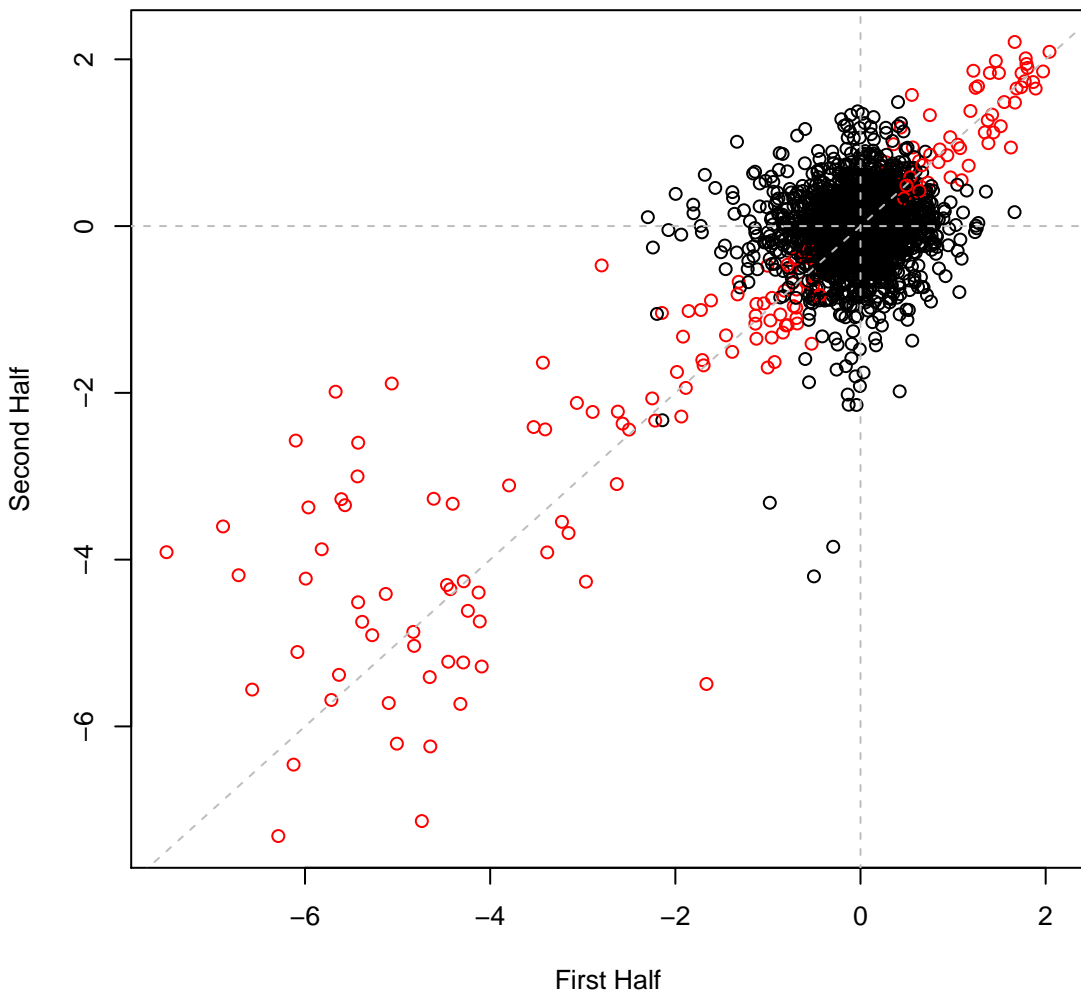
**BFirm set2IT068 #68 (gMed=137 rho12=0.127)**  
**LB, 37C**



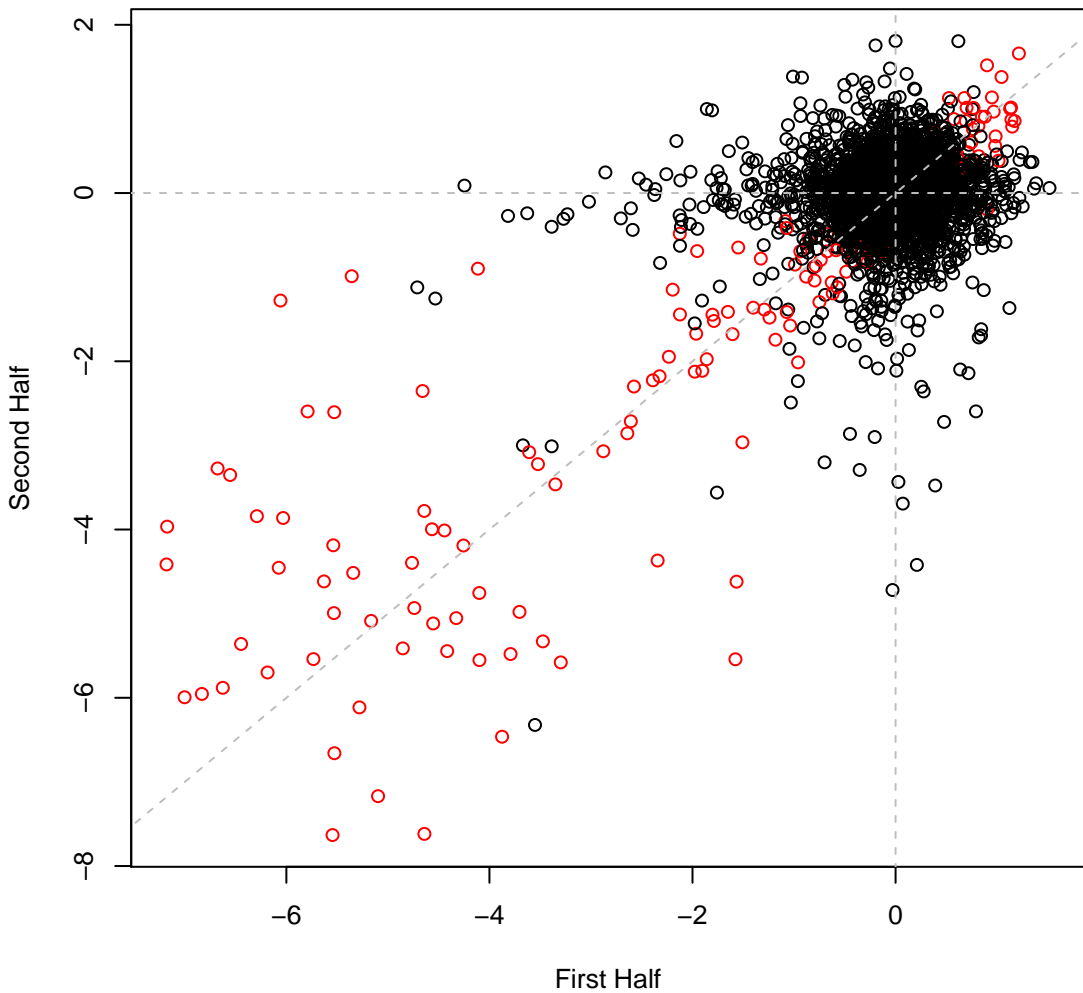
**BFirm set2IT069 #69 (gMed=144 rho12=0.091)**  
**LB, 37C**



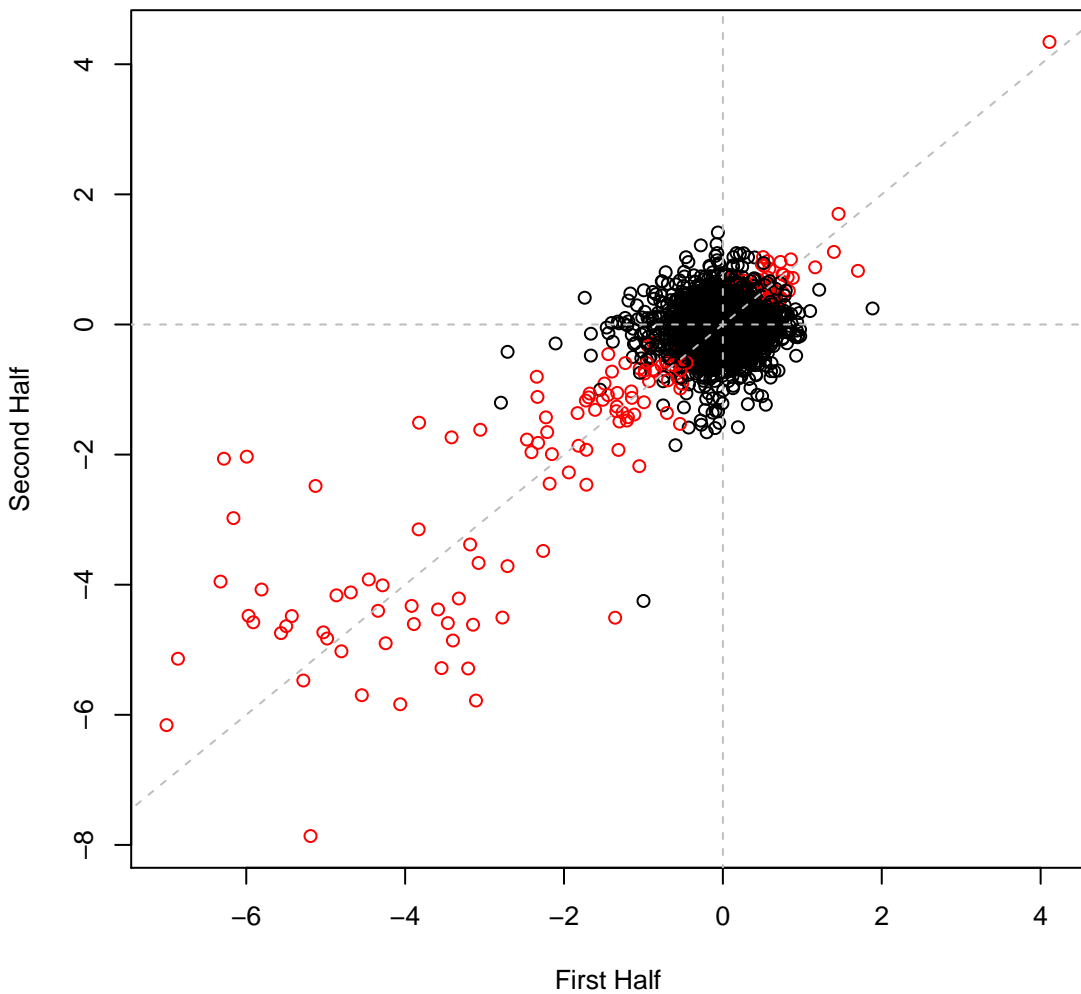
**BFirm set2IT070 #70 (gMed=207 rho12=0.242)**  
**D-Xylose (C)**



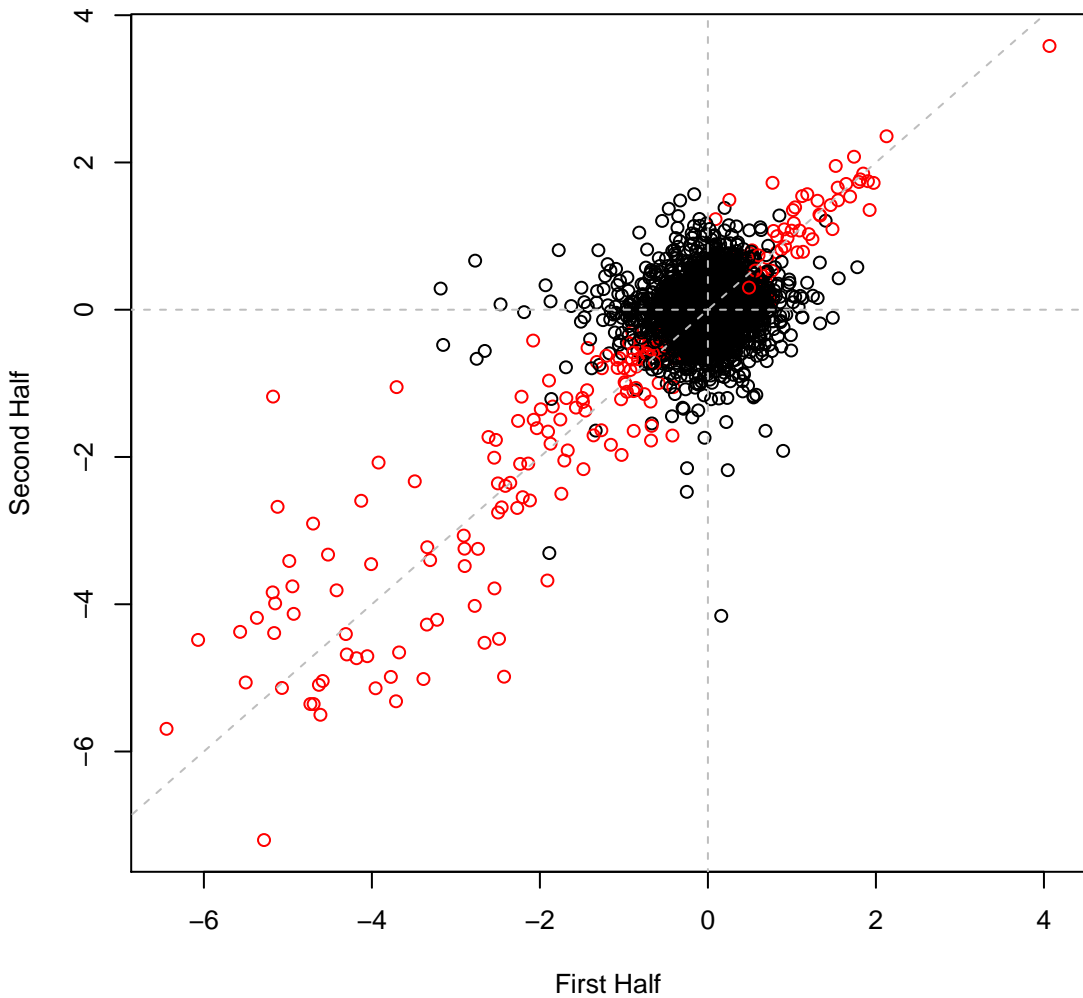
**BFirm set2IT071 #71 (gMed=170 rho12=0.167)**  
**L-Fucose (C)**



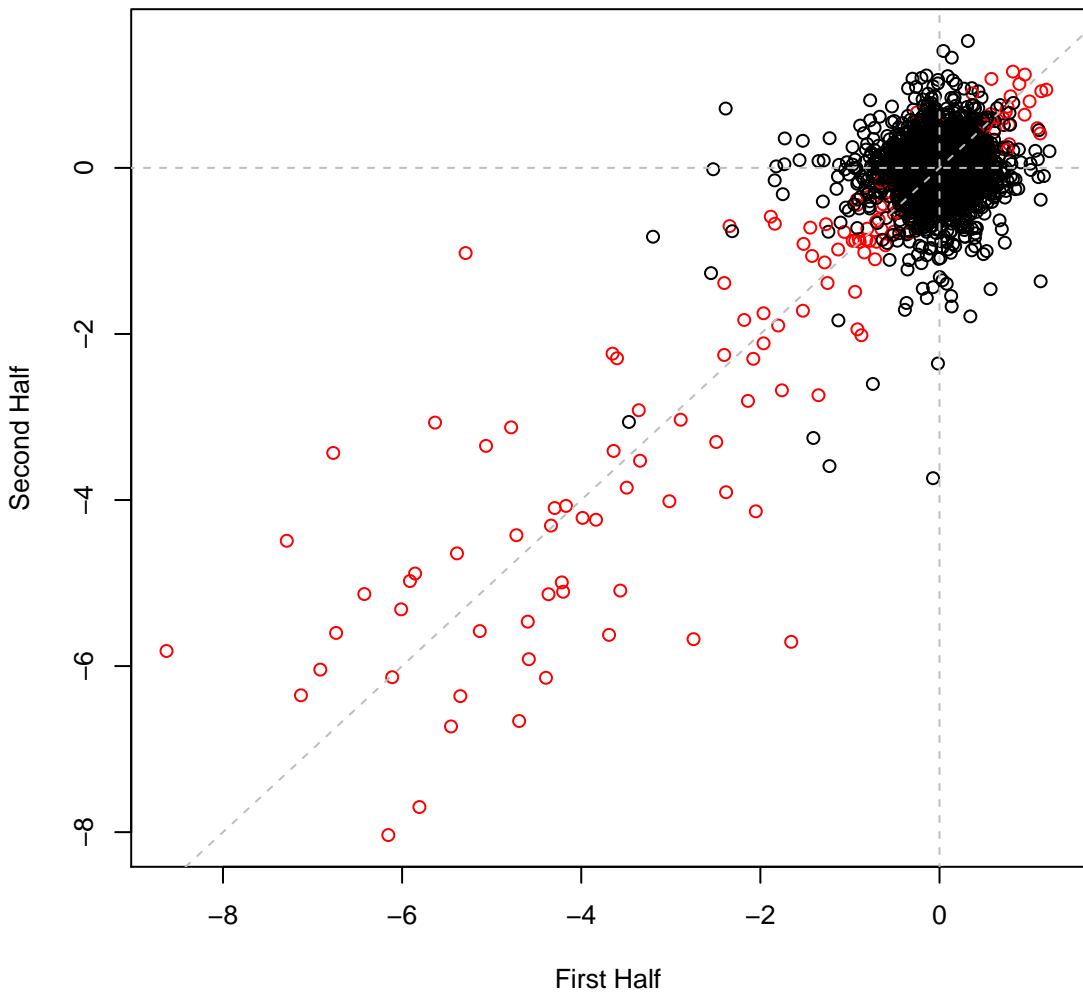
**BFirm set2IT072 #72 (gMed=211 rho12=0.182)**  
**Trisodium citrate (C)**



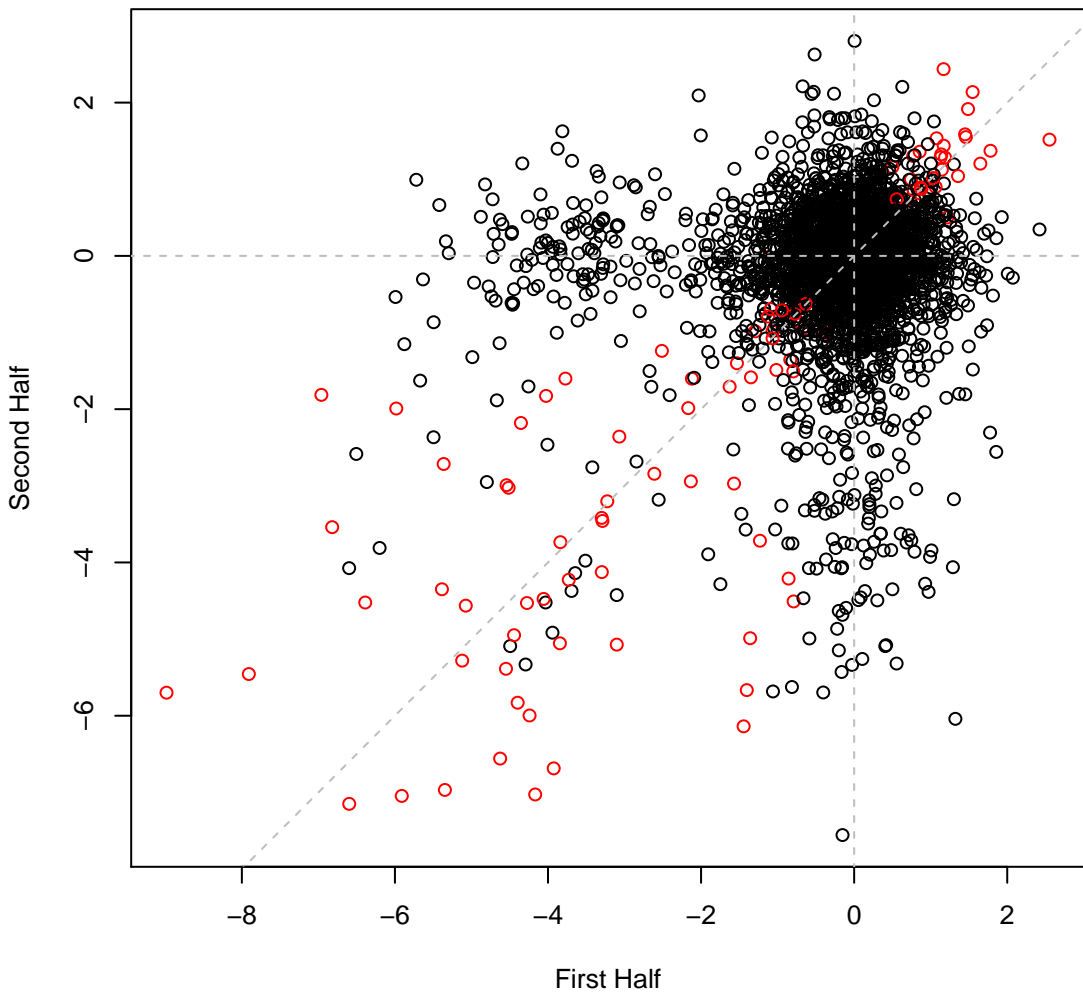
**BFirm set2IT073 #73 (gMed=203 rho12=0.270)**  
**Xylitol (C)**



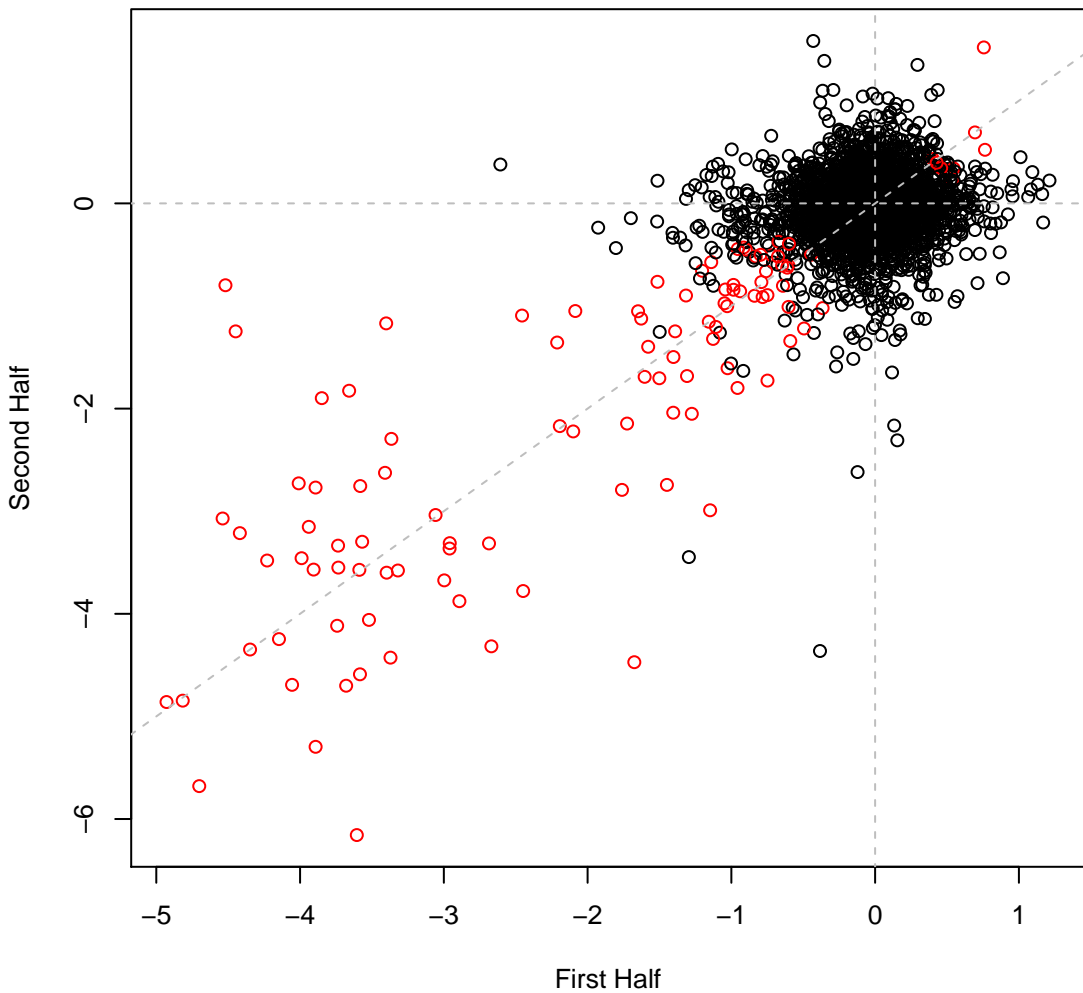
**BFirm set2IT074 #74 (gMed=176 rho12=0.176)**  
**m-Inositol (C)**



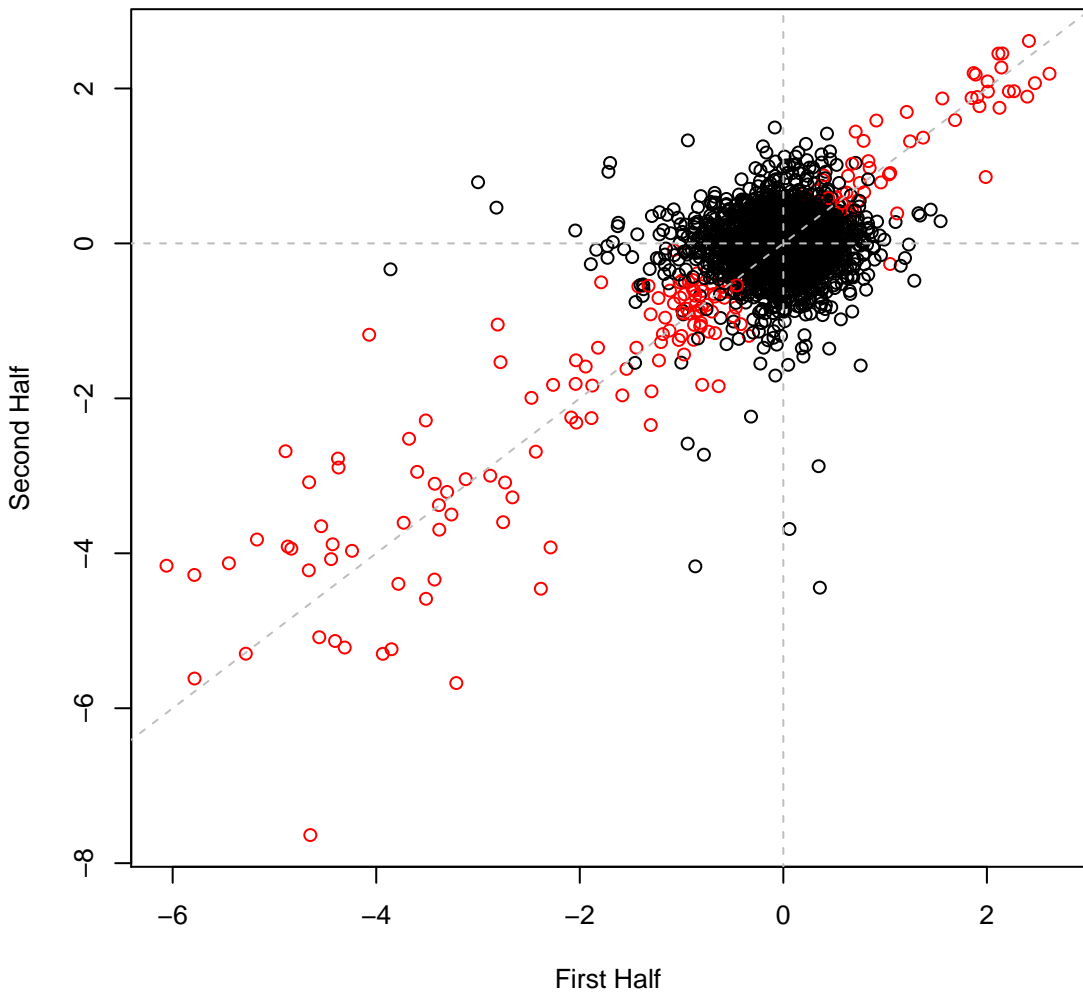
**BFirm set2IT075 #75 (gMed=116 rho12=0.114)**  
**Glycerol (C)**



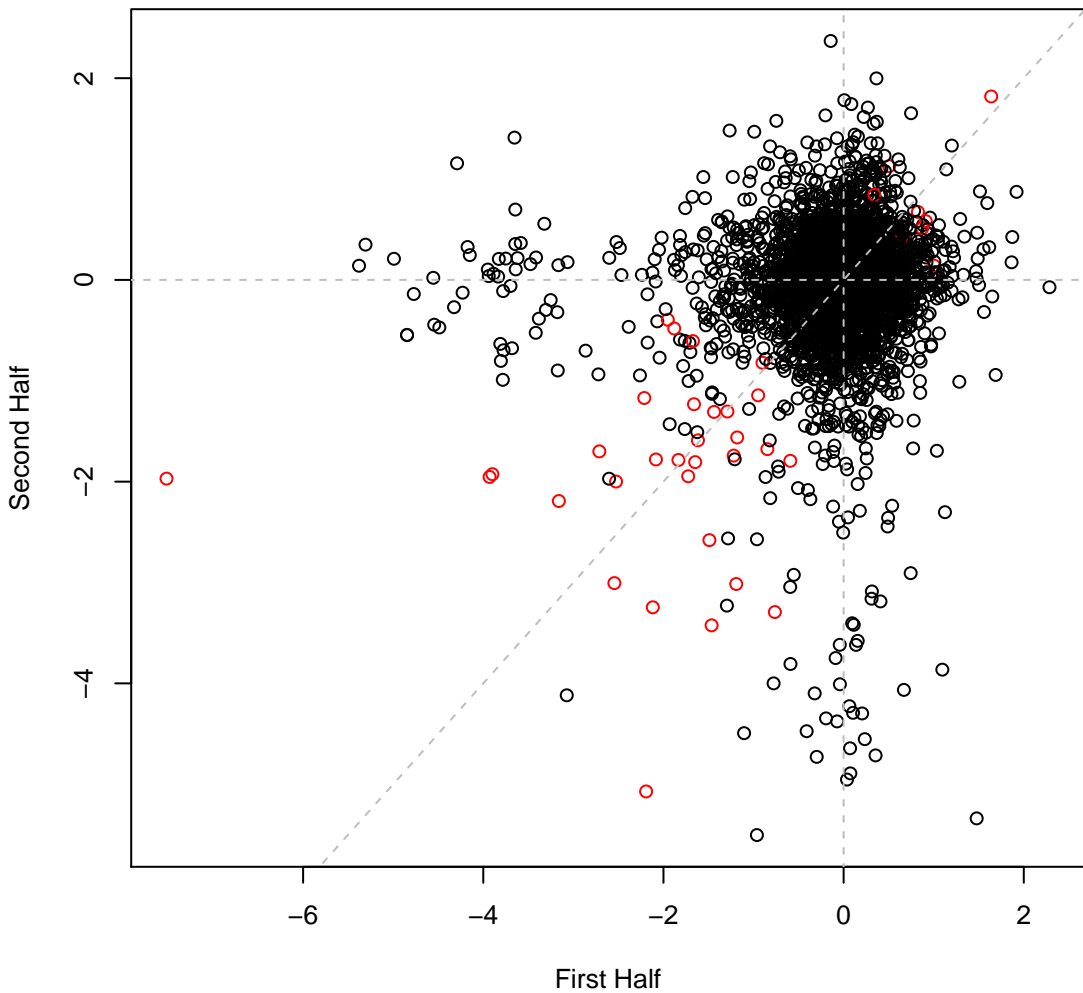
**BFirm set2IT076 #76 (gMed=232 rho12=0.184)**  
**L-Arginine (C)**



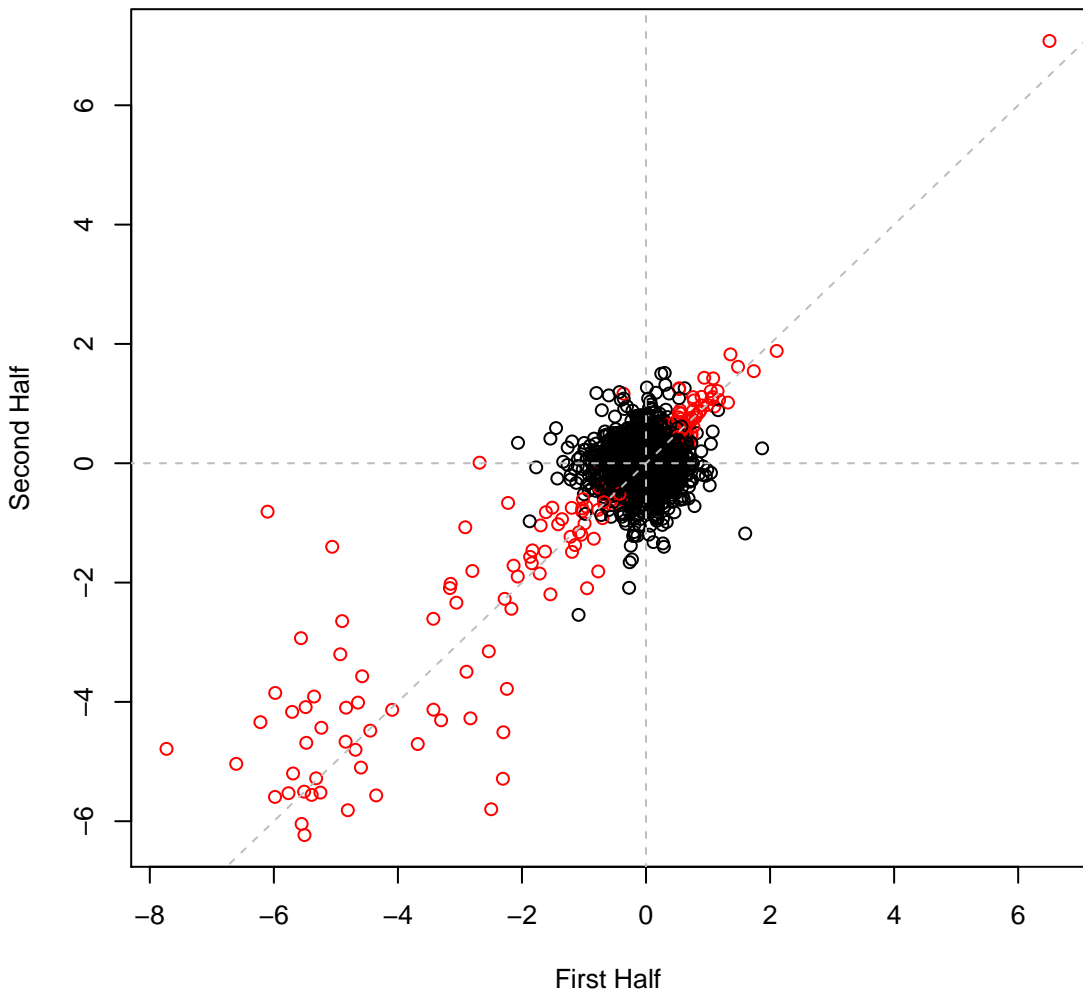
**BFirm set2IT077 #77 (gMed=184 rho12=0.217)**  
**Gly-Glu (C)**



**BFirm set2IT078 #78 (gMed=180 rho12=0.071)**  
**casaminos (C)**

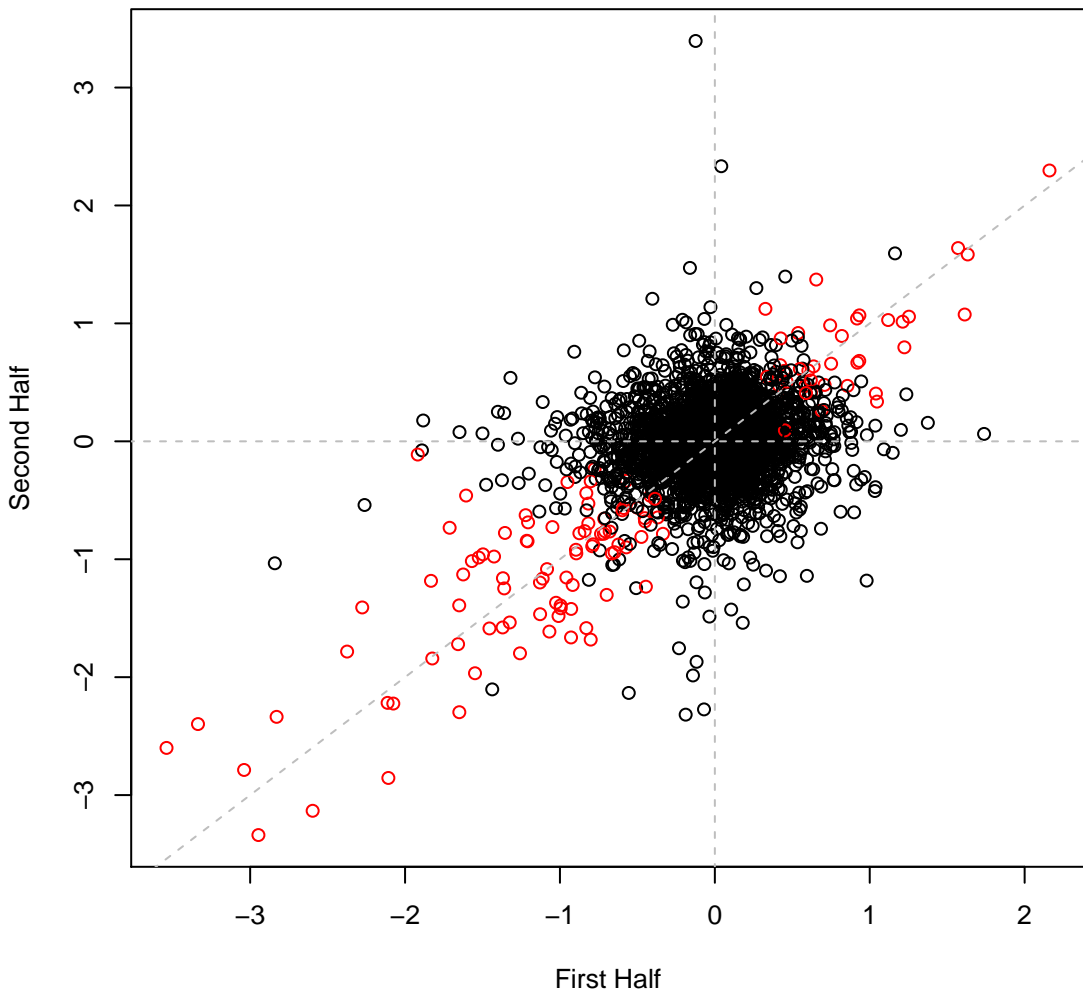


**BFirm set2IT079 #79 (gMed=256 rho12=0.204)**  
**D-Glucosamine Hydrochloride (C)**



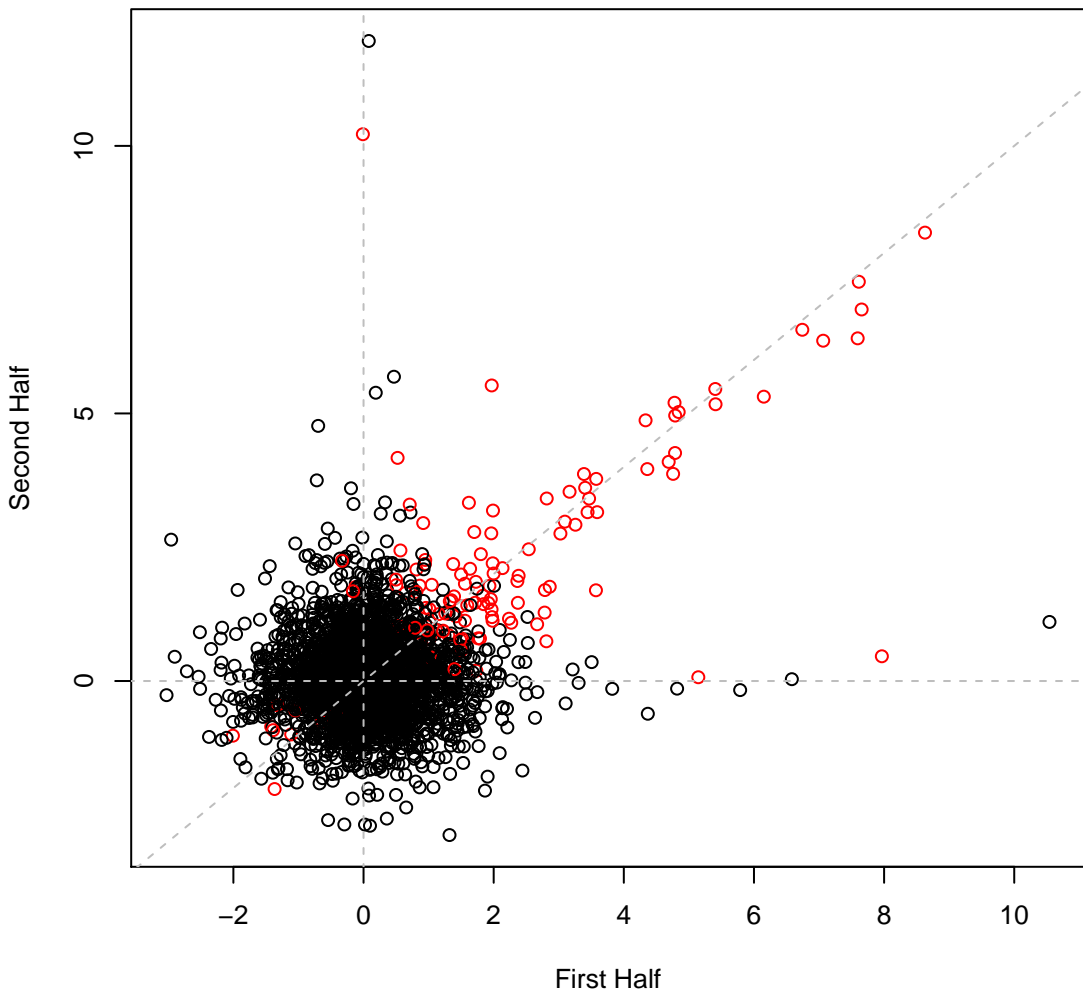
**BFirm set2IT080 #80 (gMed=227 rho12=0.206)**

**Nickel (II) chloride 1 mM**

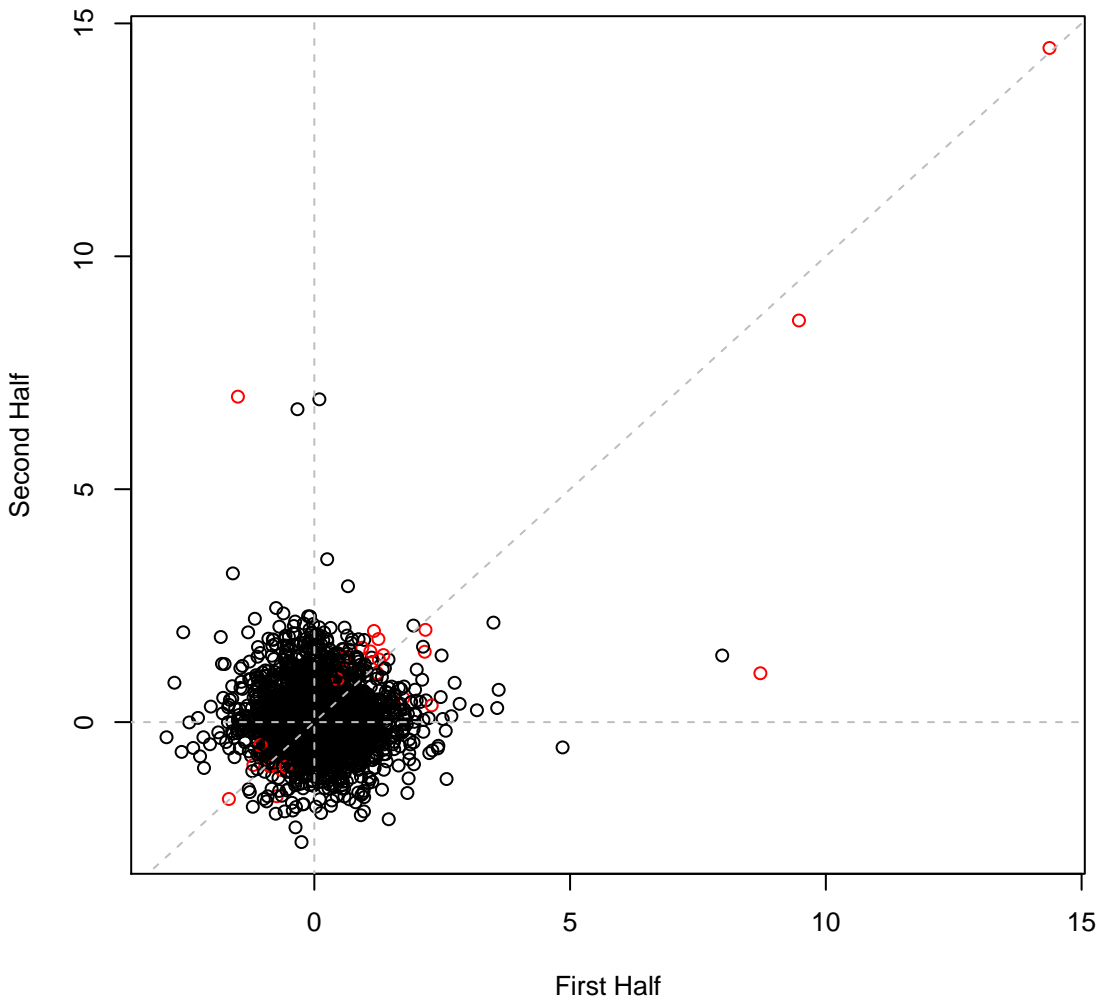


**BFirm set2IT081 #81 (gMed=11 rho12=0.082)**

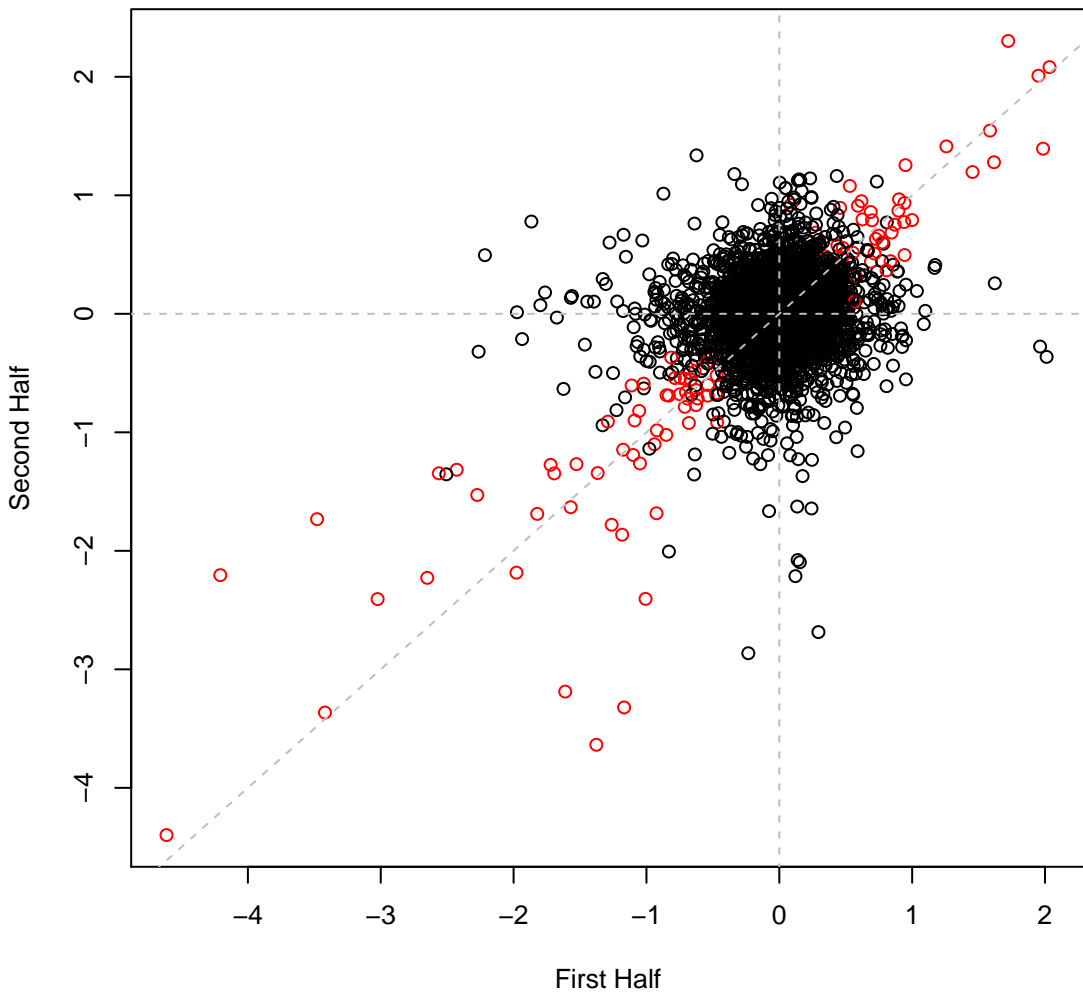
**Cobalt chloride 0.5 mM**



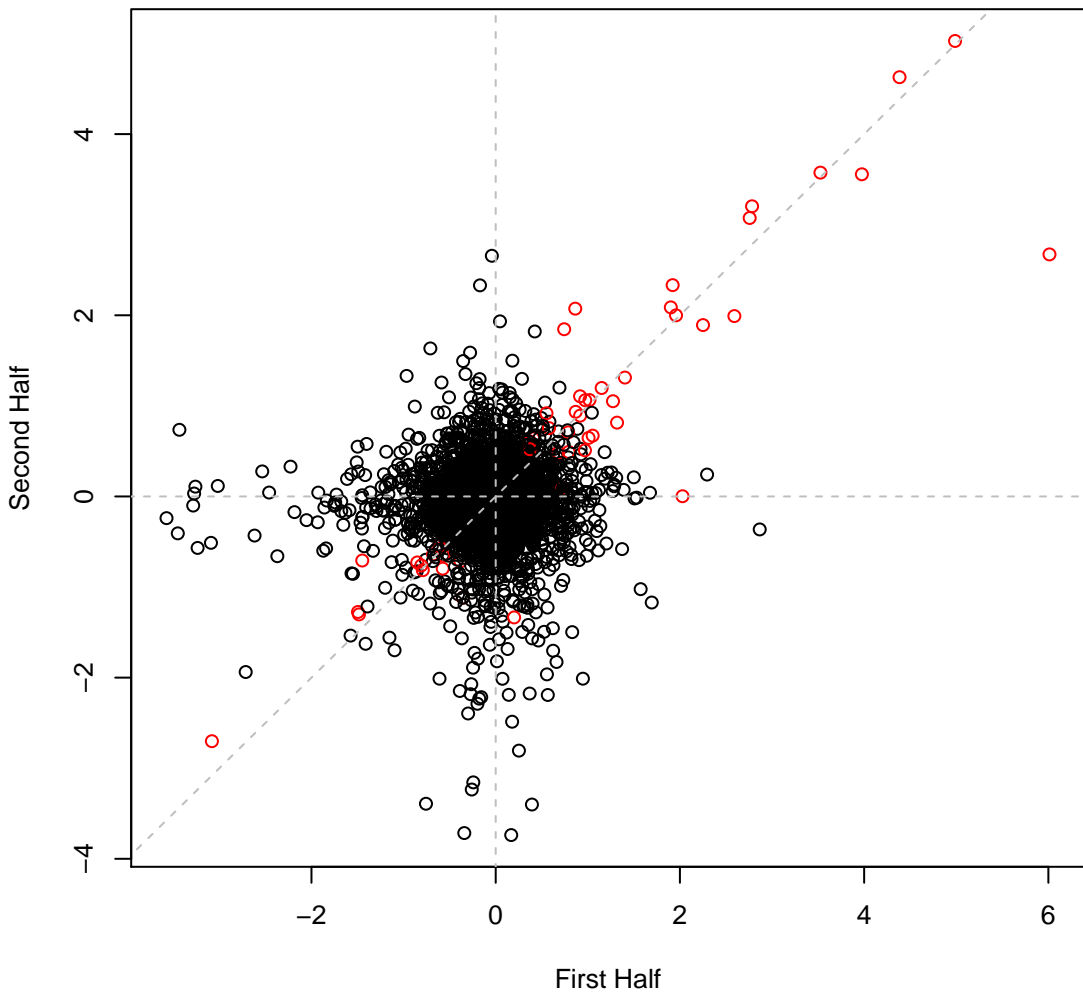
**BFirm set2IT082 #82 (gMed=16 rho12=0.031)**  
**Chlorite 2 mM**



**BFirm set2IT083 #83 (gMed=185 rho12=0.166)**  
**A22 0.005 mg/ml**

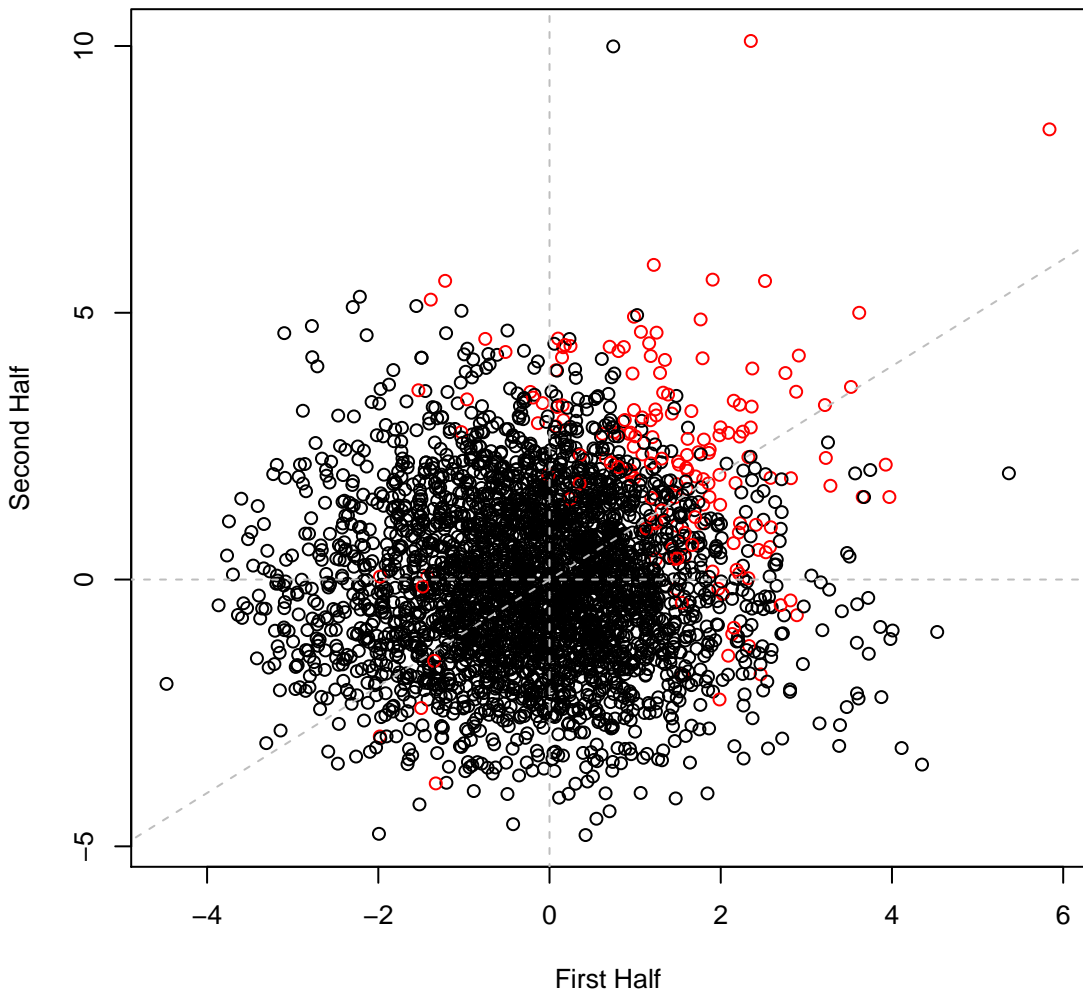


**BFirm set2IT084 #84 (gMed=135 rho12=0.083)**  
**A22 0.01 mg/ml**

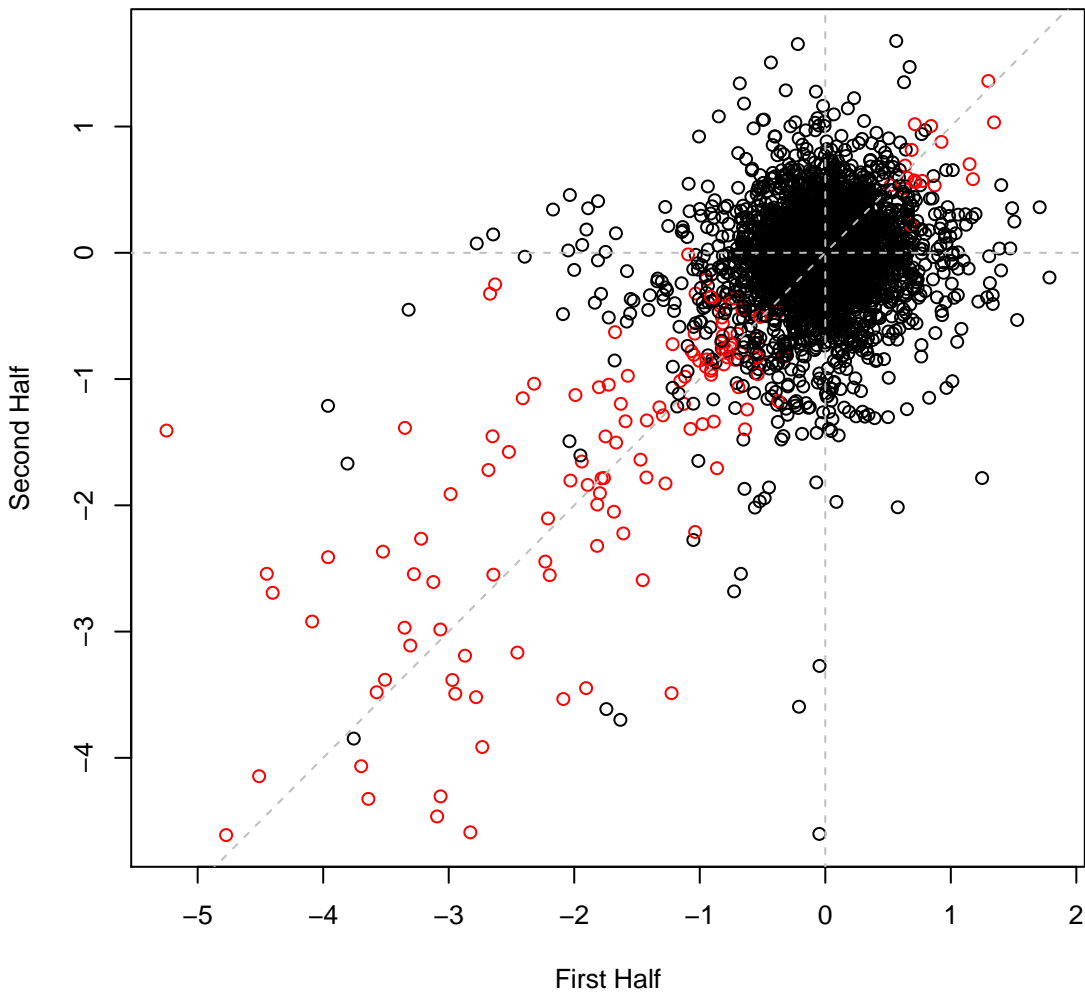


**BFirm set2IT085 #85 (gMed=1 rho12=0.039)**

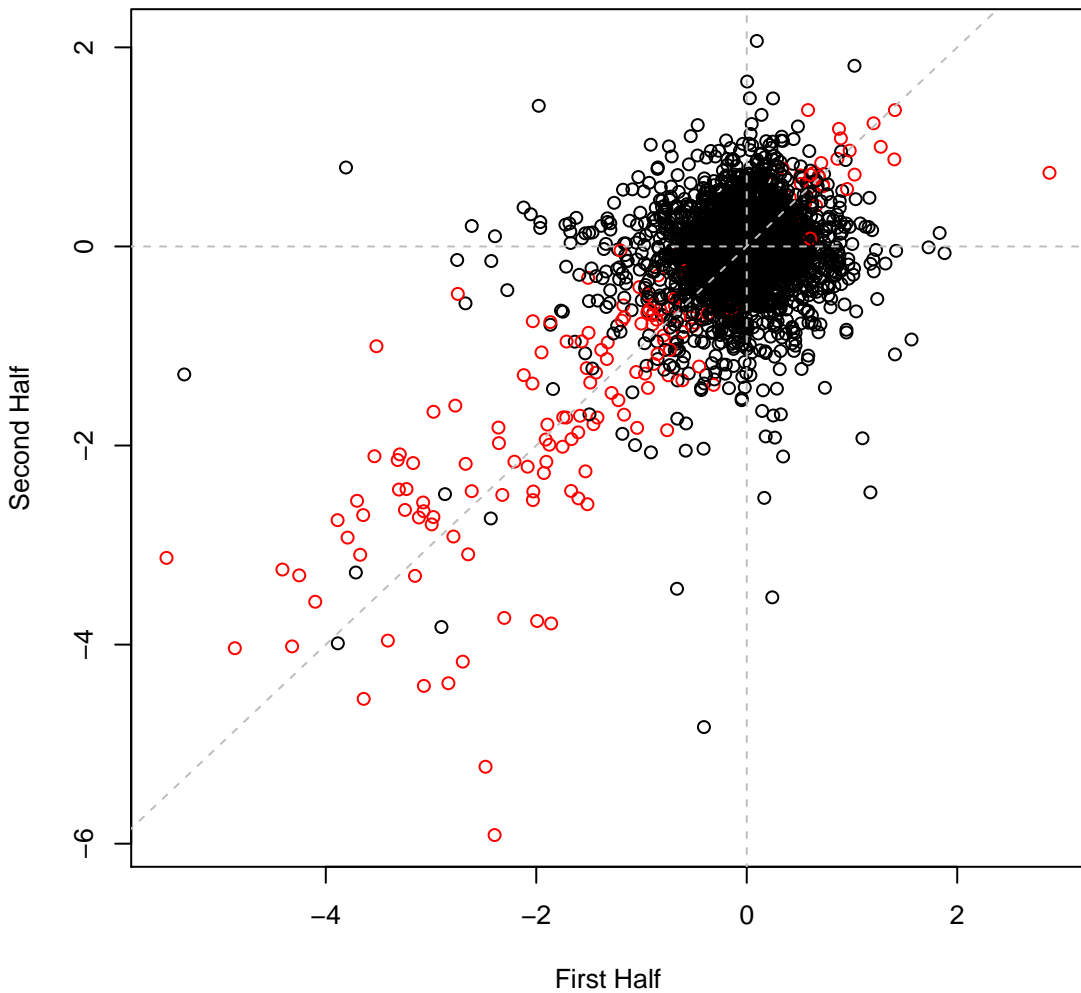
**D-Cycloserine 0.1 mg/ml**



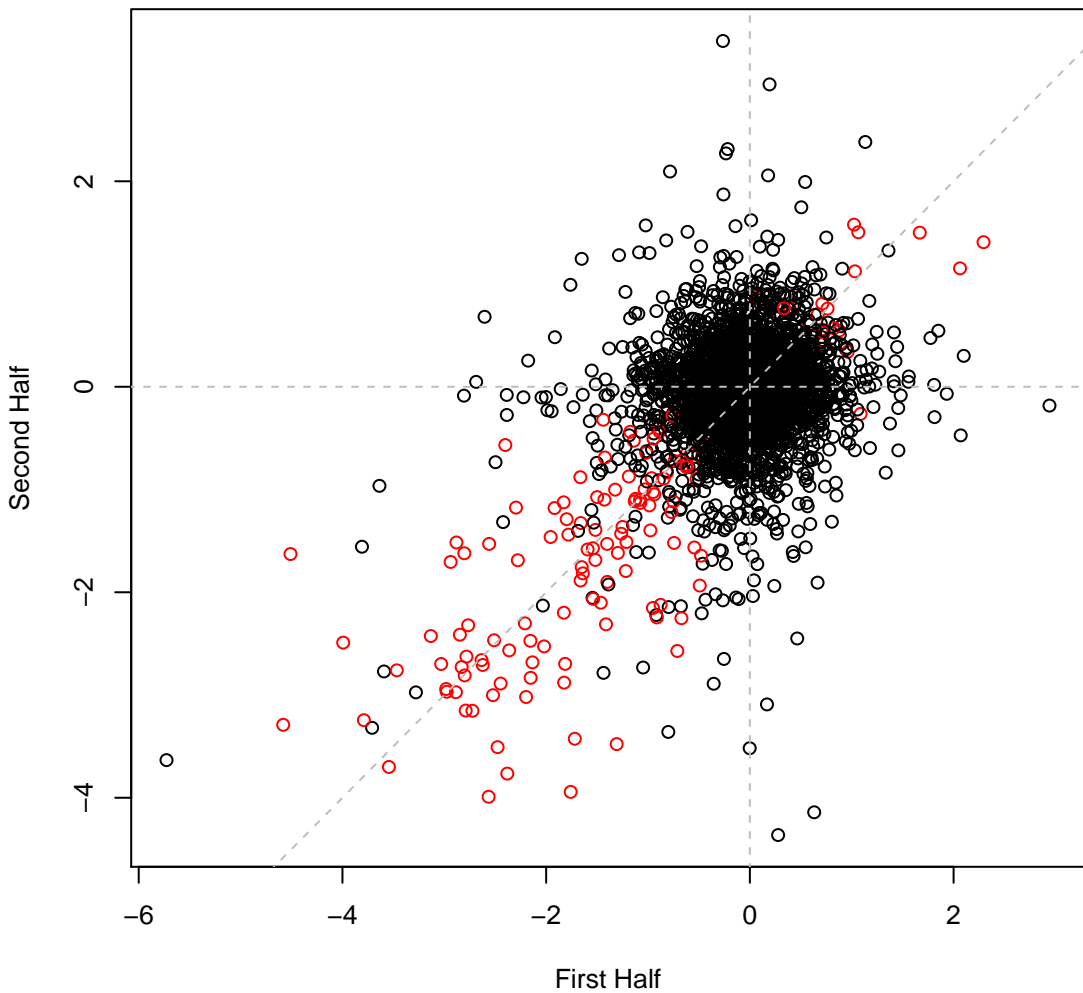
**BFirm set2IT086 #86 (gMed=219 rho12=0.209)**  
**inner cut, LB soft agar motility assay**



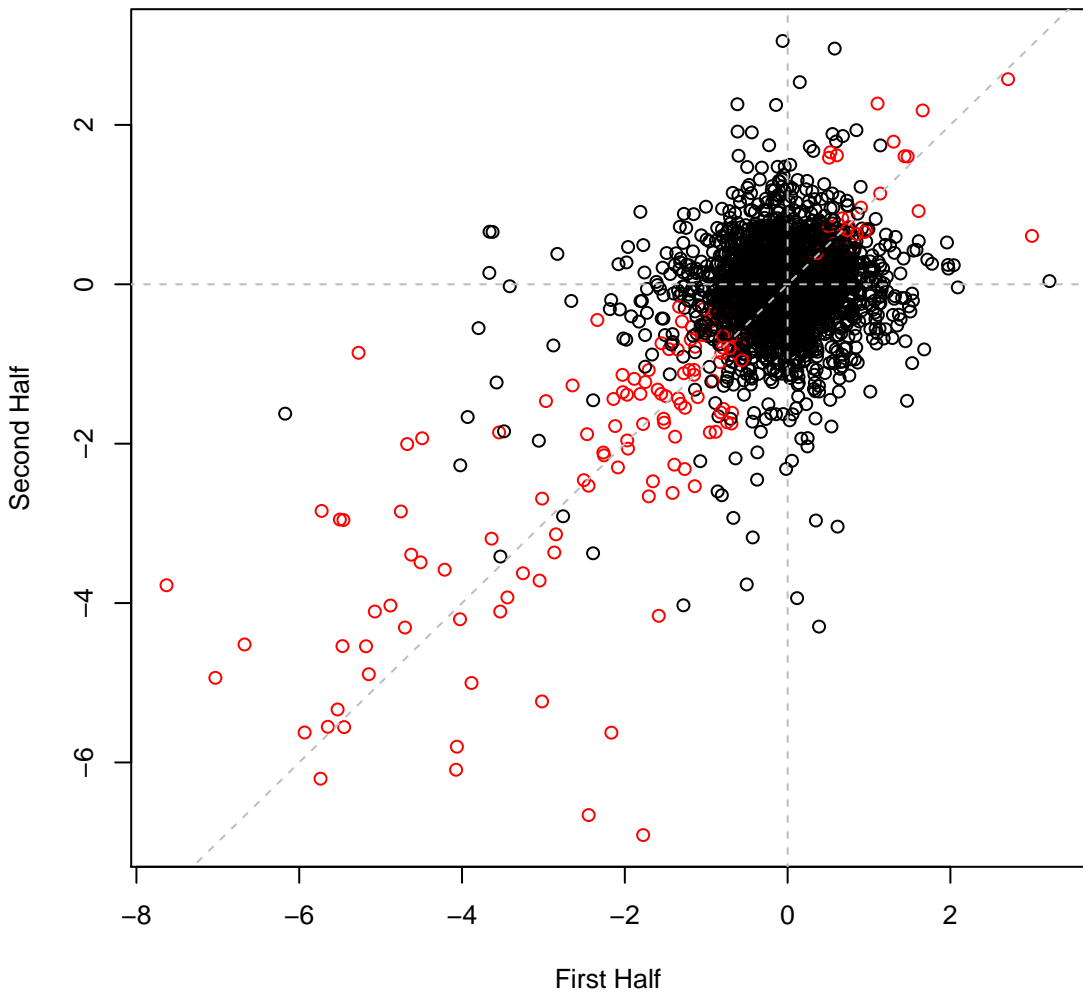
**BFirm set2IT087 #87 (gMed=253 rho12=0.201)**  
**inner cut, LB soft agar motility assay**



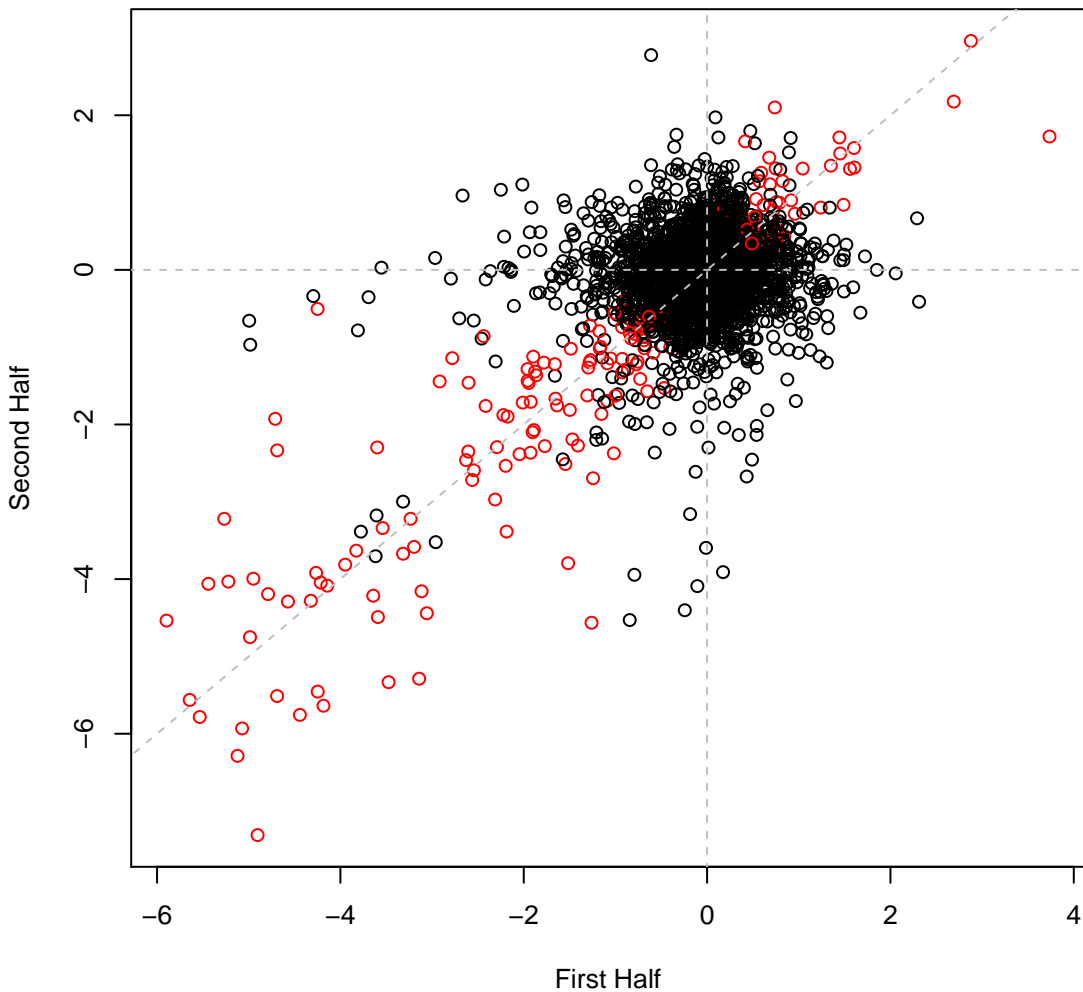
**BFirm set2IT088 #88 (gMed=161 rho12=0.184)**  
**inner cut, LB soft agar motility assay**



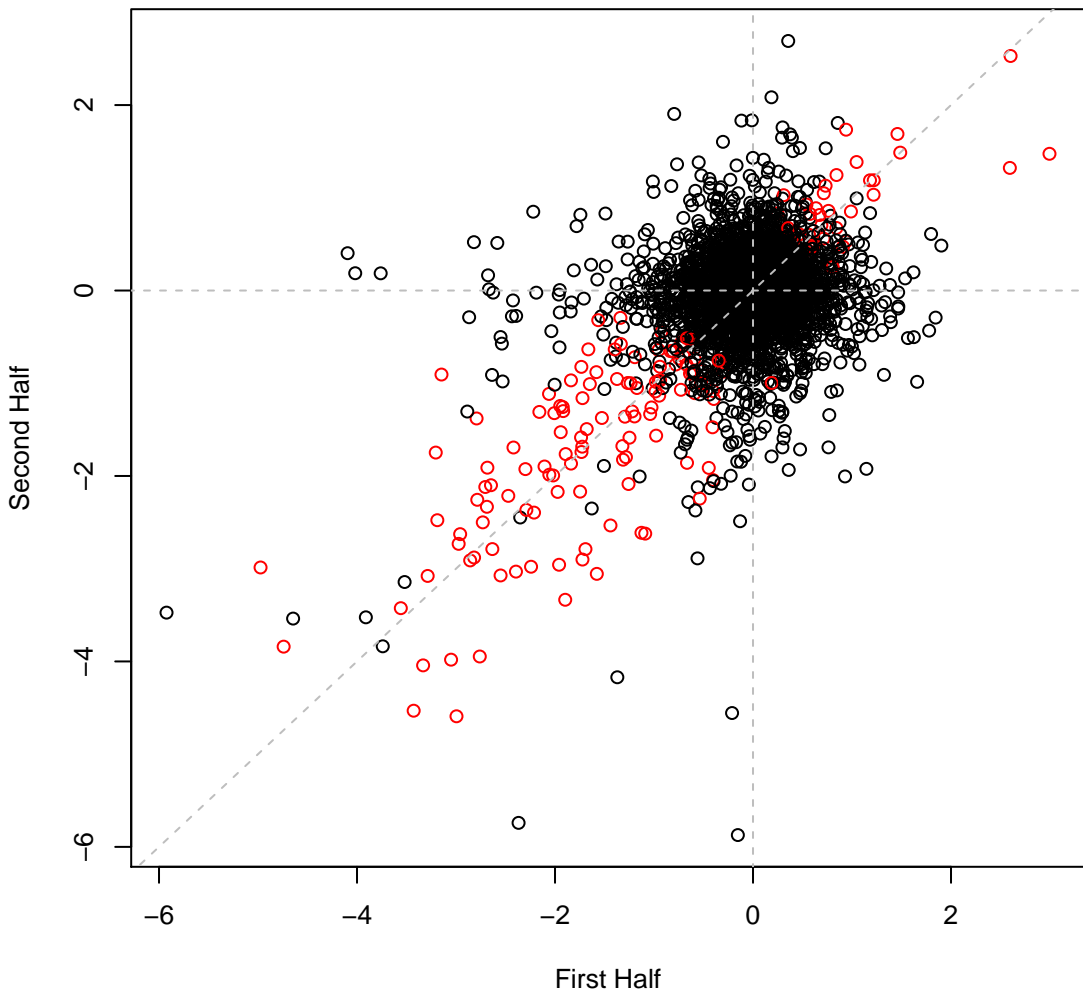
**BFirm set2IT089 #89 (gMed=162 rho12=0.208)**  
**outer cut, LB soft agar motility assay**



**BFirm set2IT090 #90 (gMed=170 rho12=0.206)**  
**outer cut, LB soft agar motility assay**

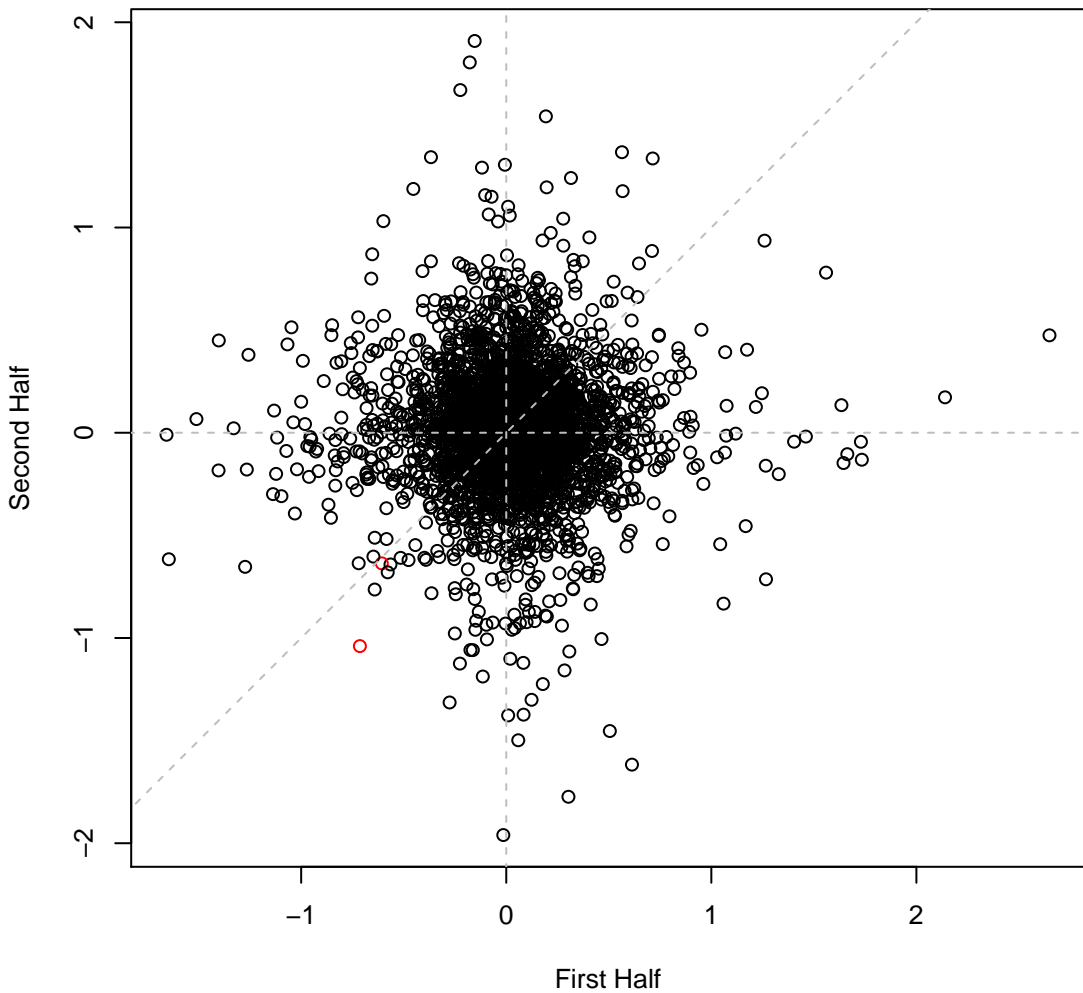


**BFirm set2IT091 #91 (gMed=225 rho12=0.200)**  
**outer cut, LB soft agar motility assay**



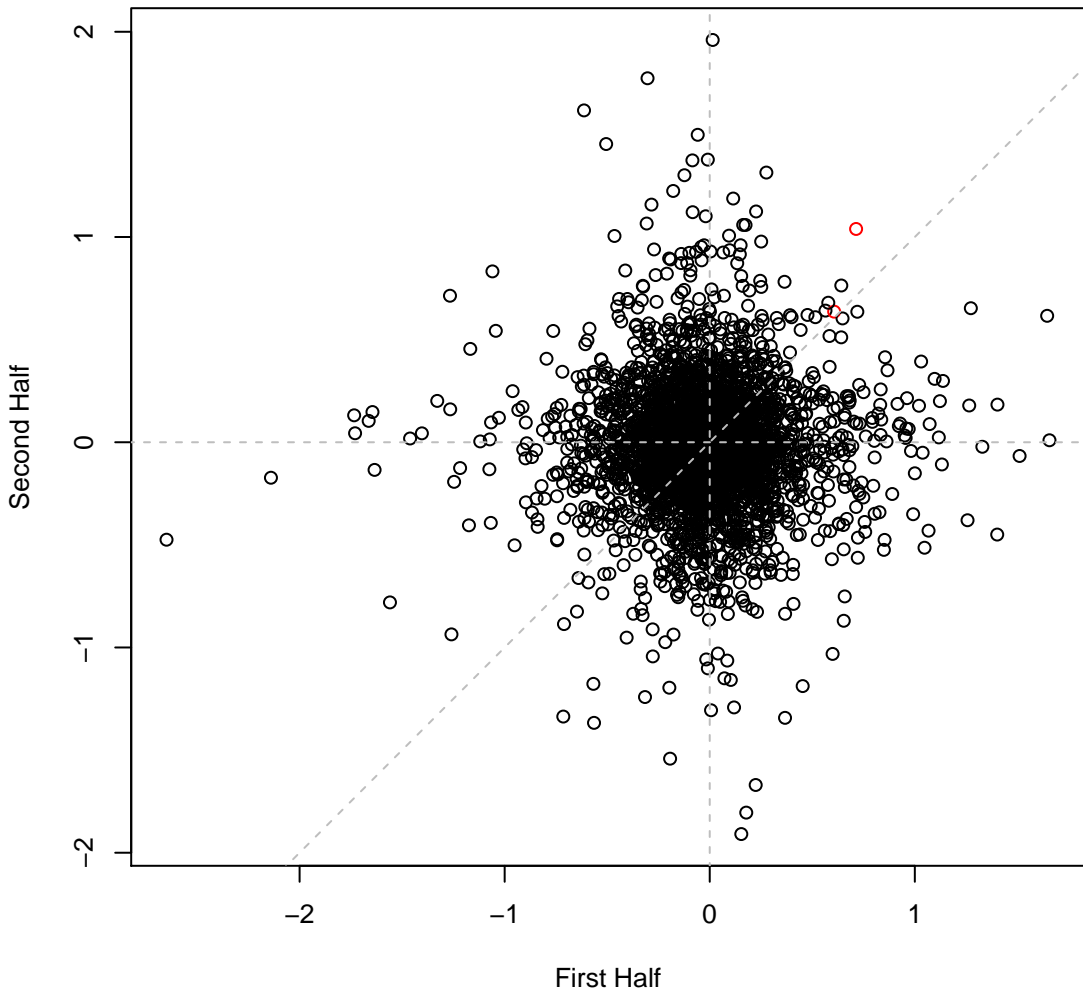
**BFirm set2IT092 #92 (gMed=206 rho12=-0.002)**

**Time0**

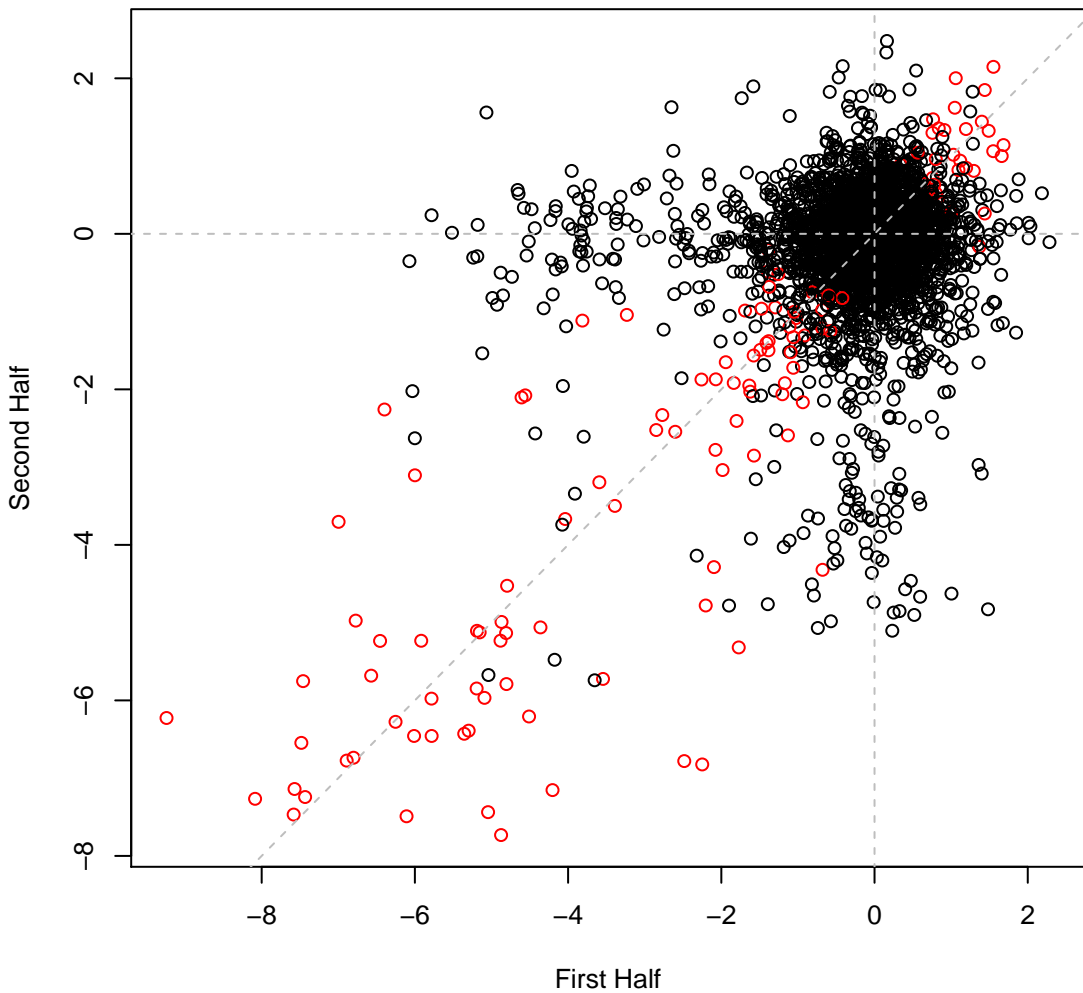


**BFirm set2IT093 #93 (gMed=217 rho12=-0.002)**

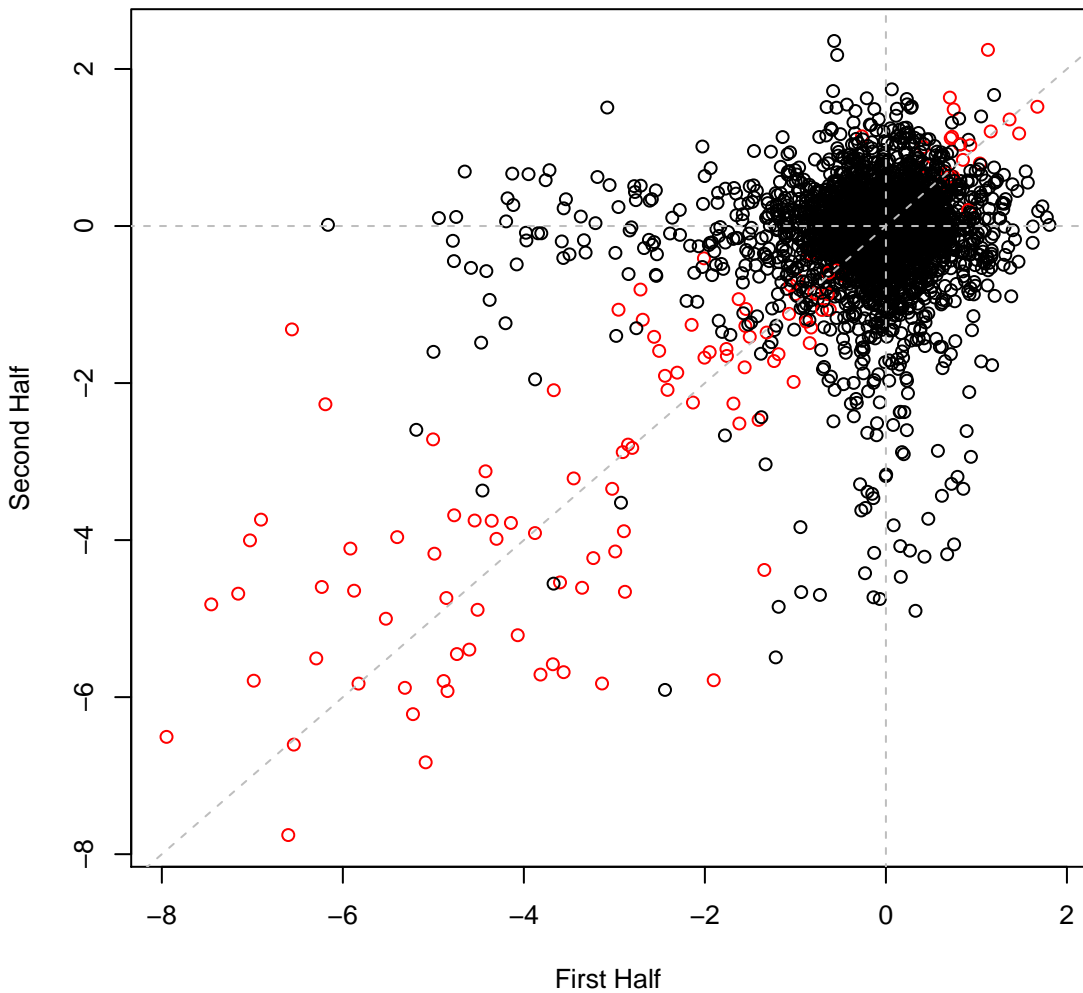
**Time0**



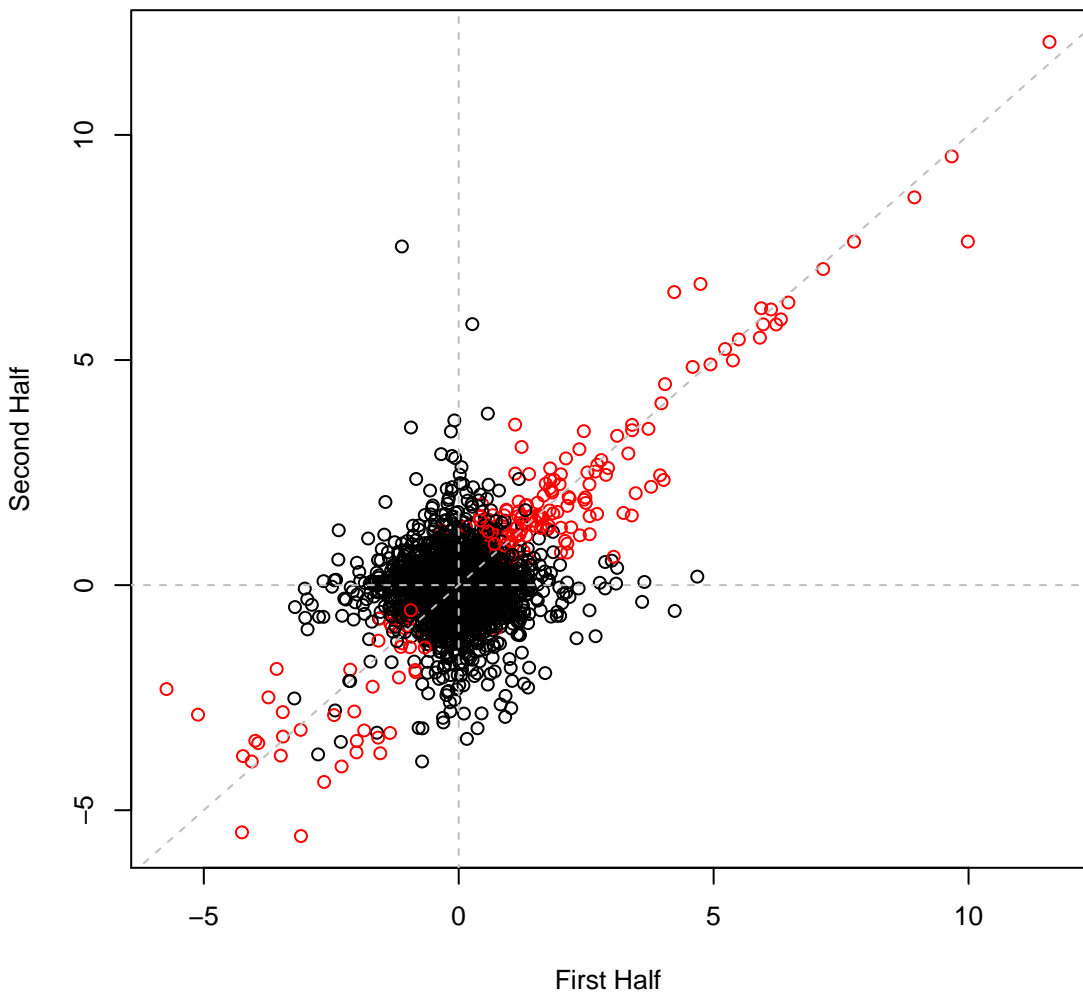
**BFirm set3IT055 #97 (gMed=138 rho12=0.157)**  
**L-Histidine (N)**



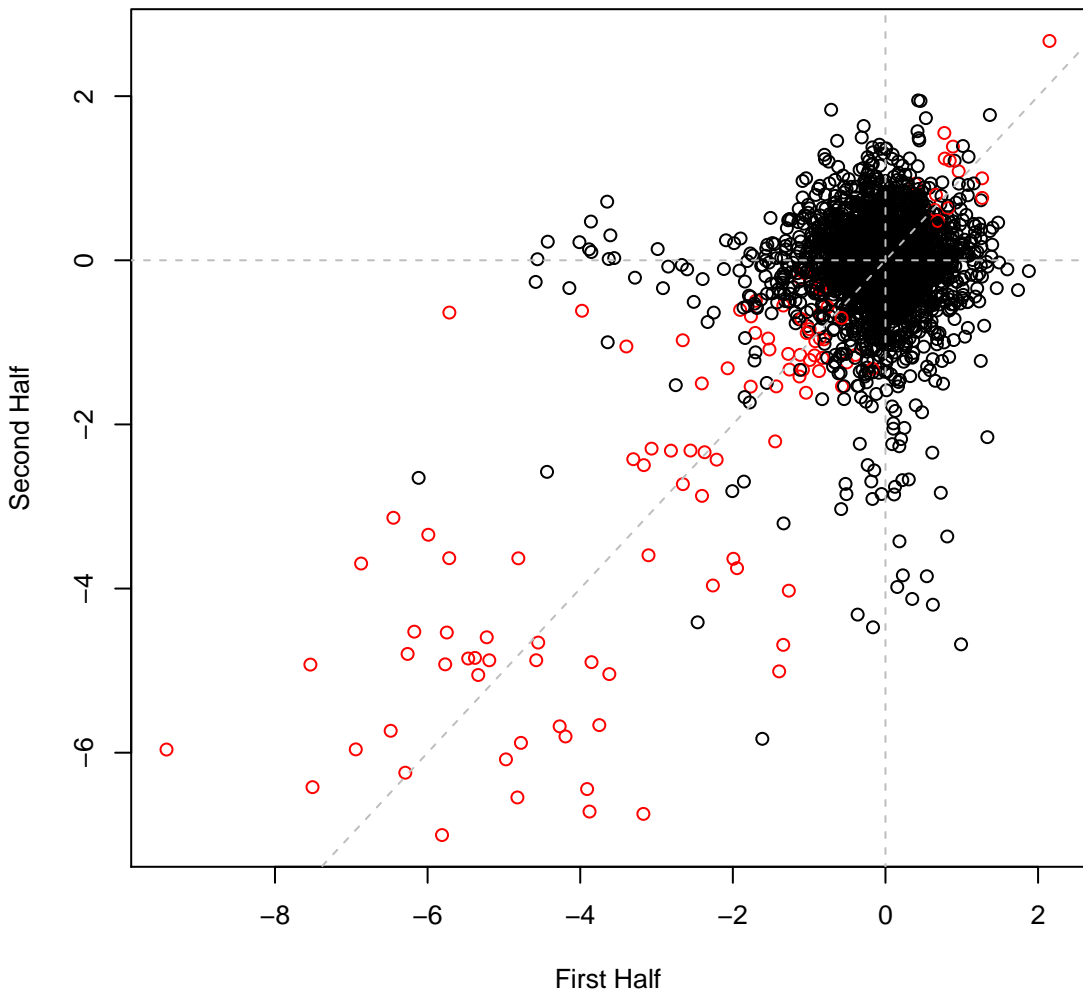
**BFirm set3IT056 #98 (gMed=166 rho12=0.138)**  
**L-Lysine (N)**



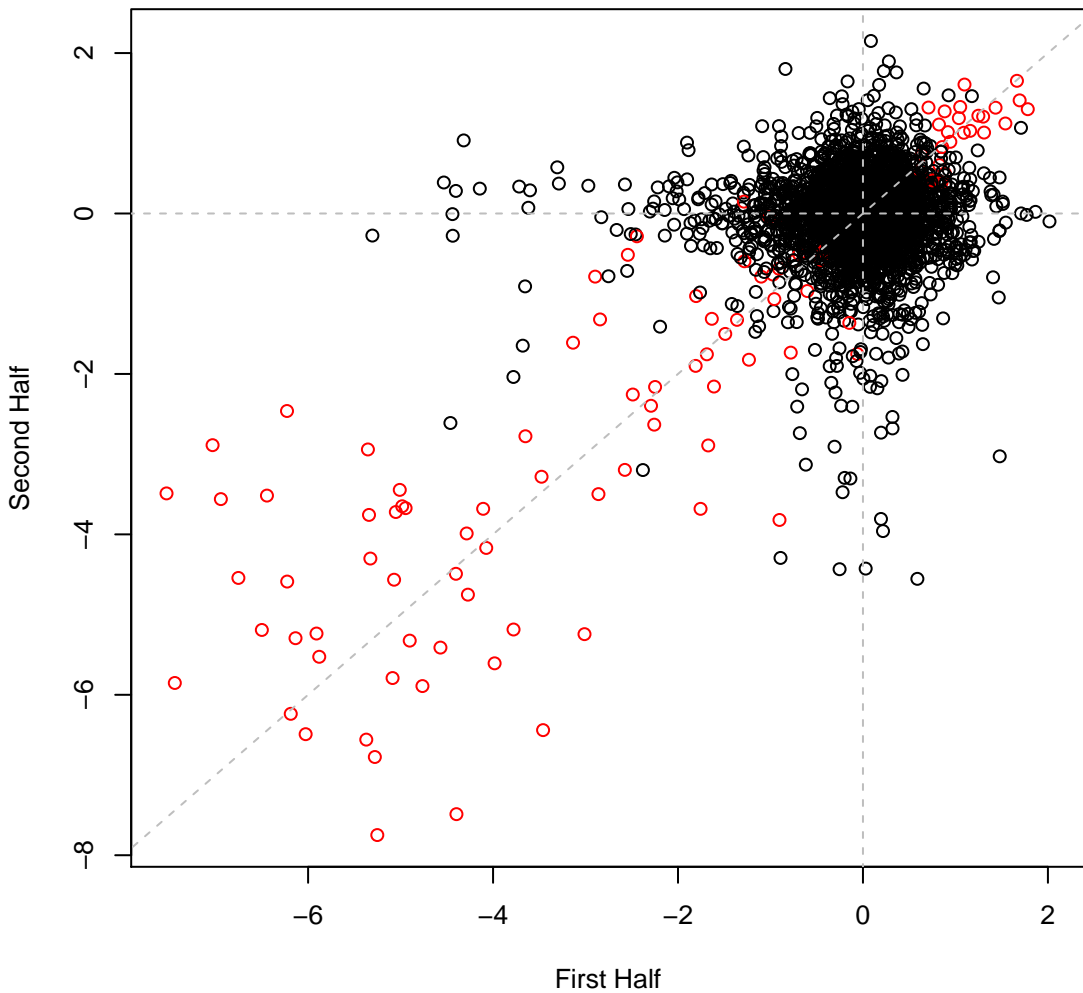
**BFirm set3IT057 #99 (gMed=46 rho12=0.171)**  
**L-Aspartic Acid (N)**



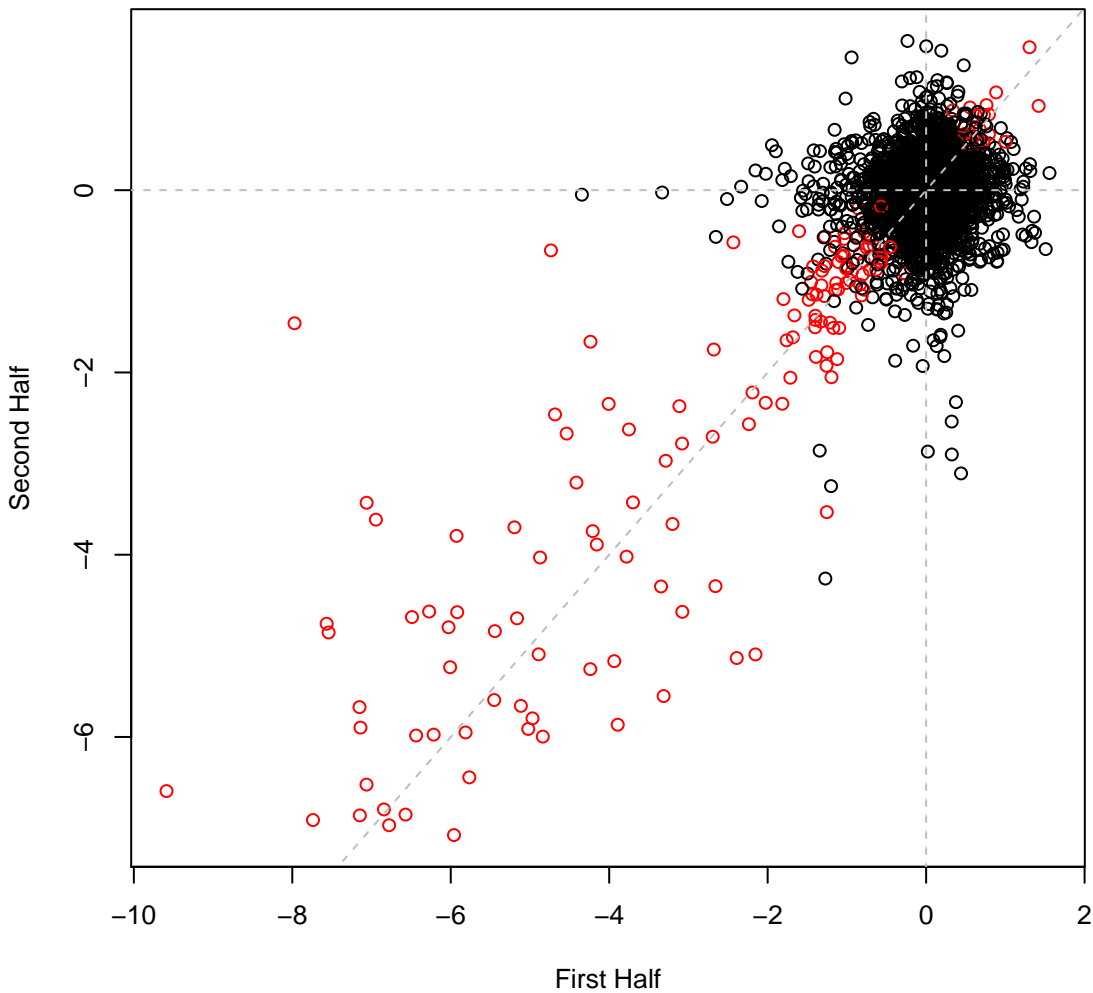
**BFirm set3IT058 #100 (gMed=153 rho12=0.113)**  
**L-Glutamic (N)**



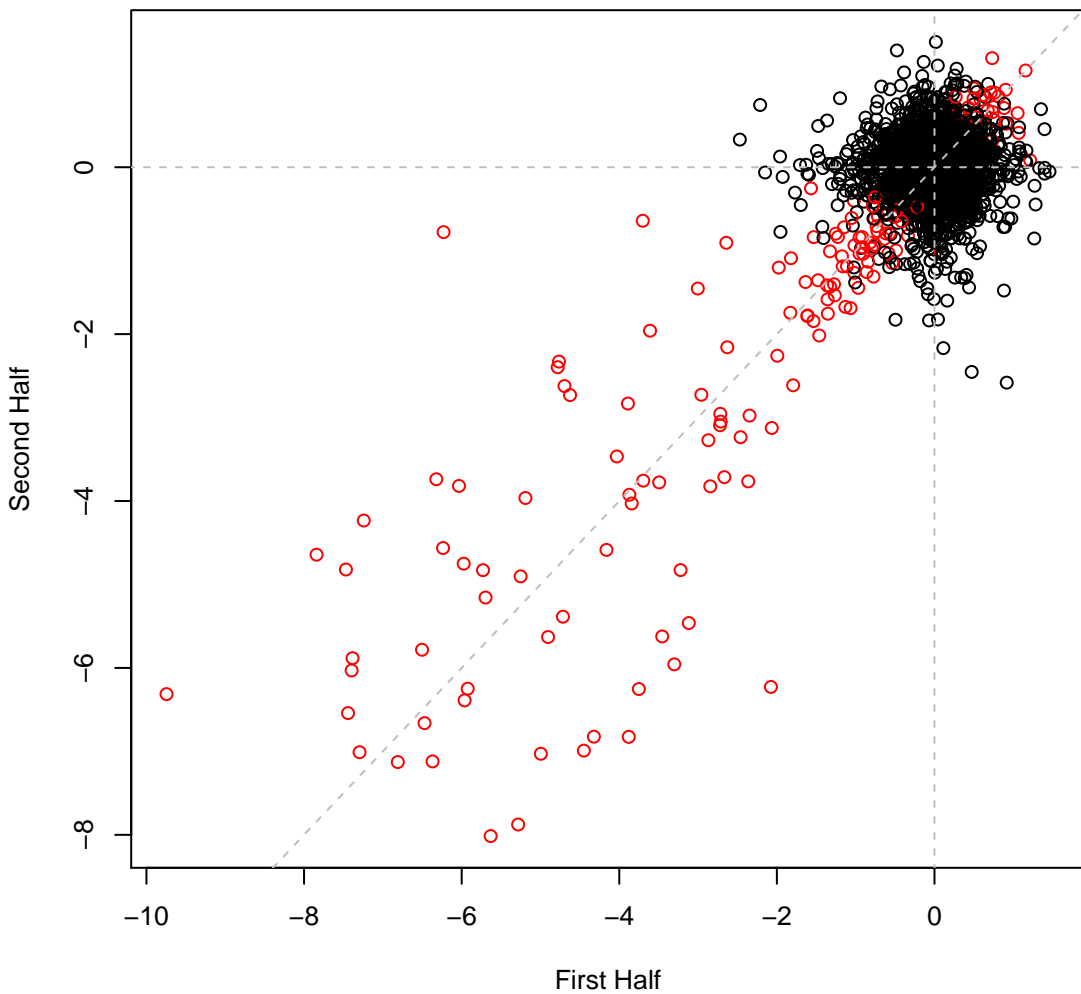
**BFirm set3IT059 #101 (gMed=160 rho12=0.124)**  
**L-Serine (N)**



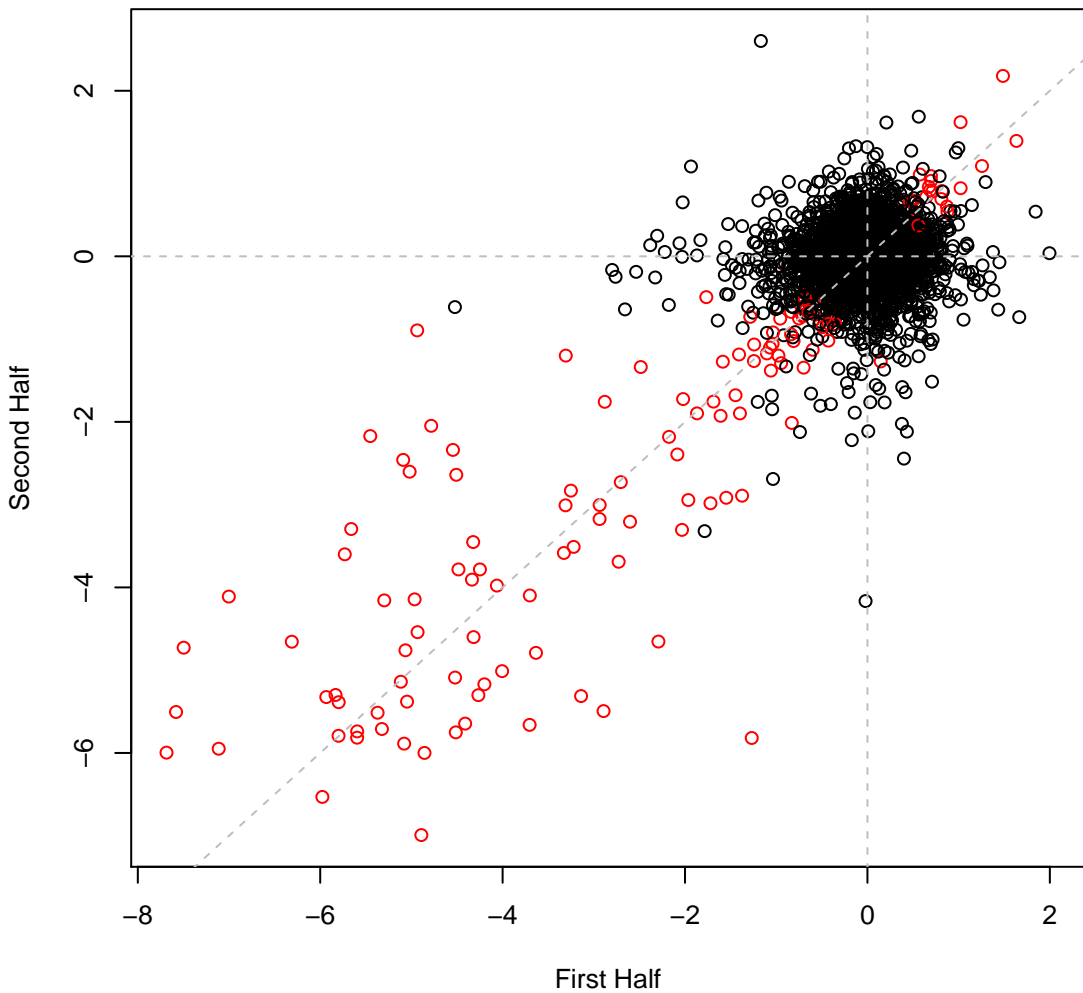
**BFirm set3IT061 #103 (gMed=171 rho12=0.162)**  
**L-Asparagine (N)**



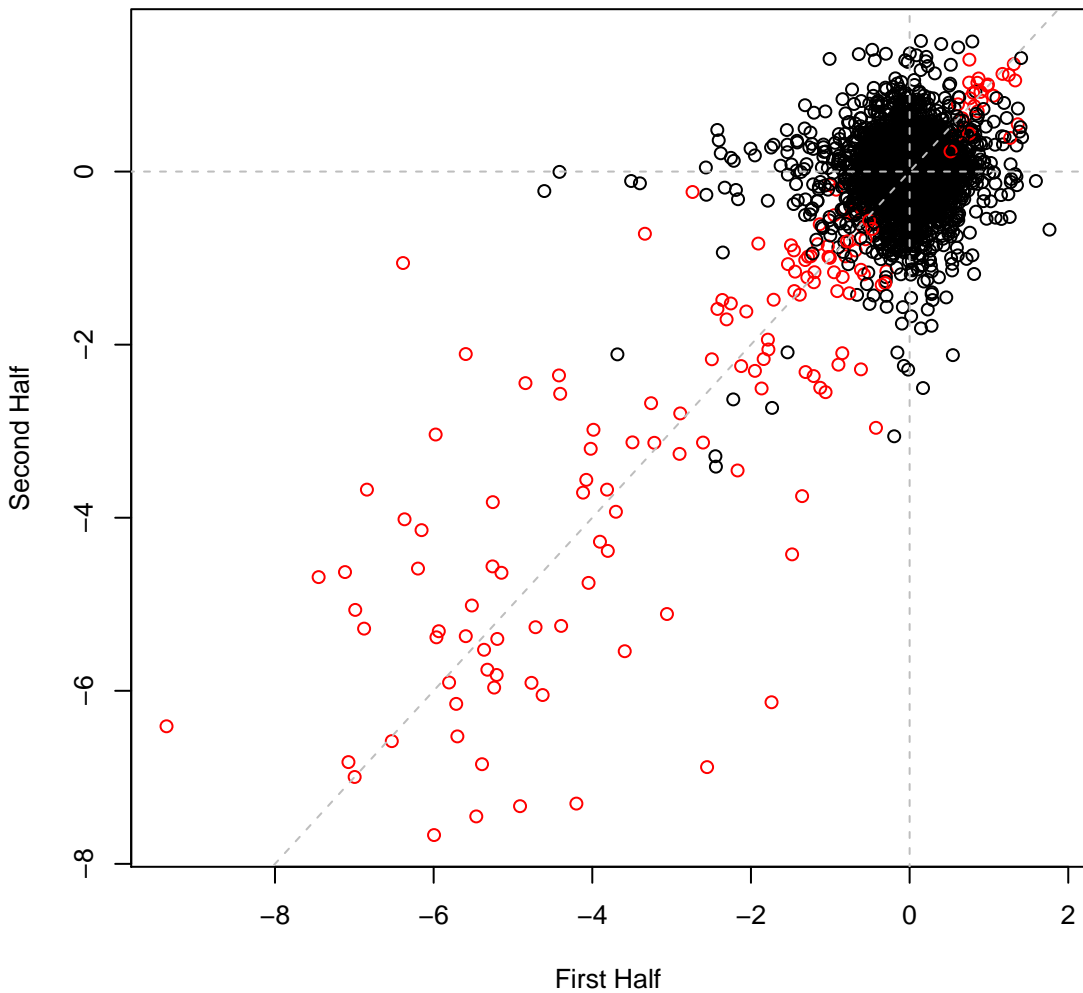
**BFirm set3IT062 #104 (gMed=209 rho12=0.170)**  
**L-Glutamine (N)**



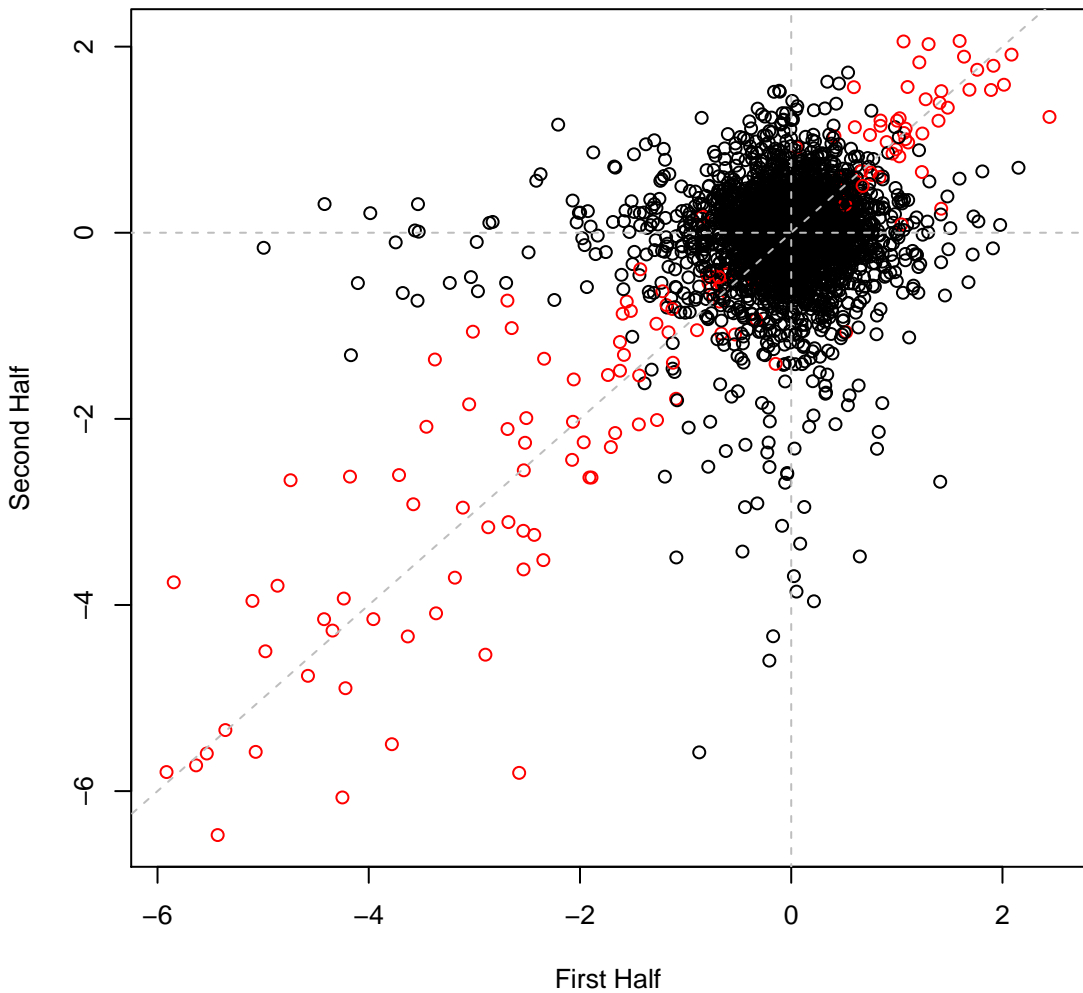
**BFirm set3IT063 #105 (gMed=162 rho12=0.170)**  
**L-Proline (N)**



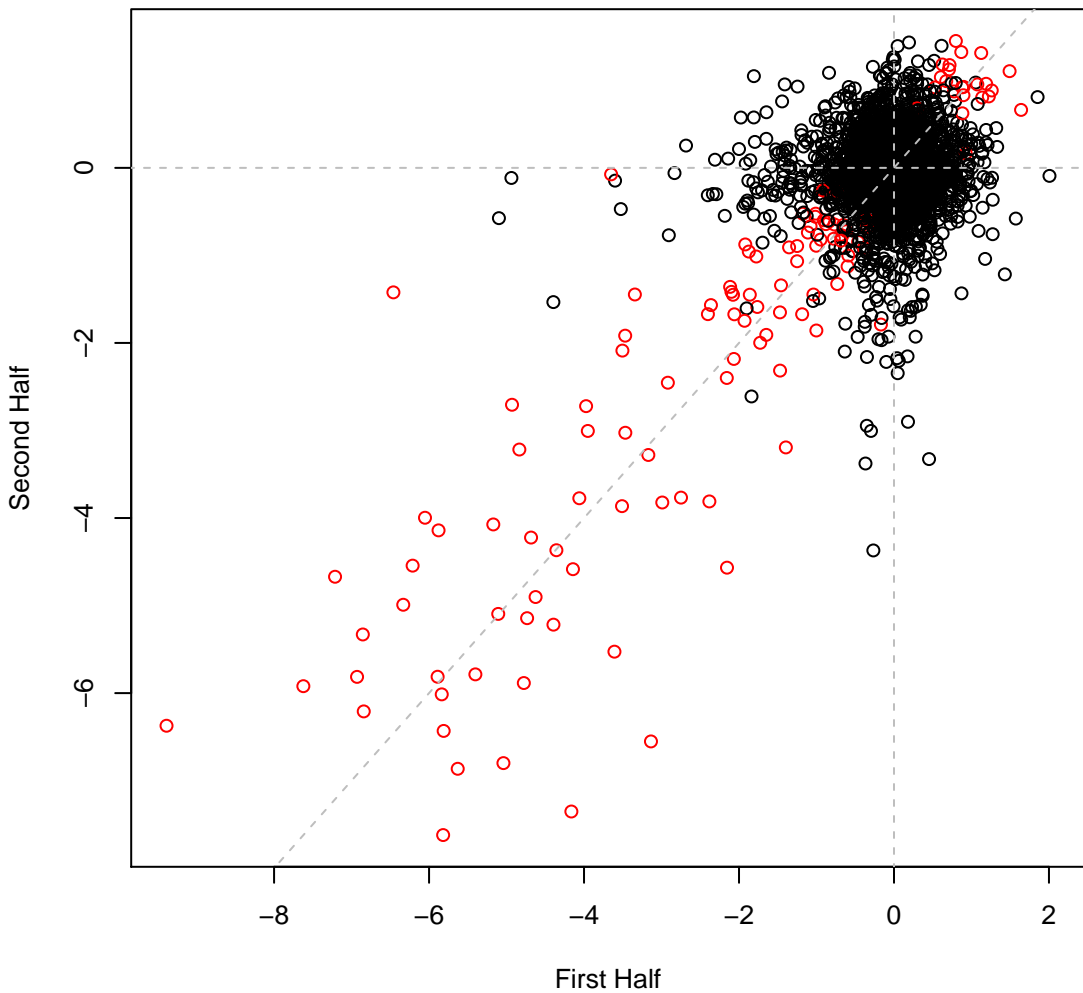
**BFirm set3IT064 #106 (gMed=146 rho12=0.160)**  
**L-Alanine (N)**



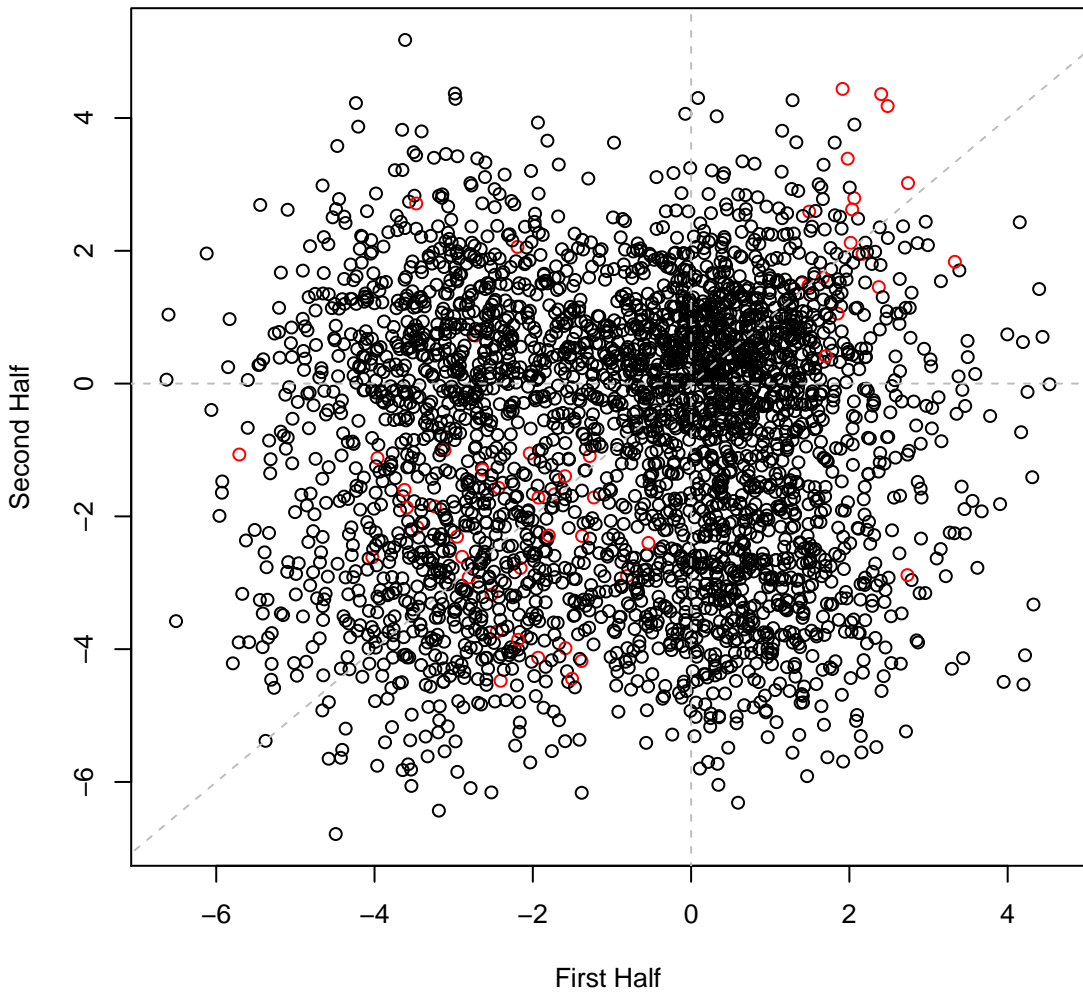
**BFirm set3IT065 #107 (gMed=145 rho12=0.158)**  
**L-Isoleucine (N)**



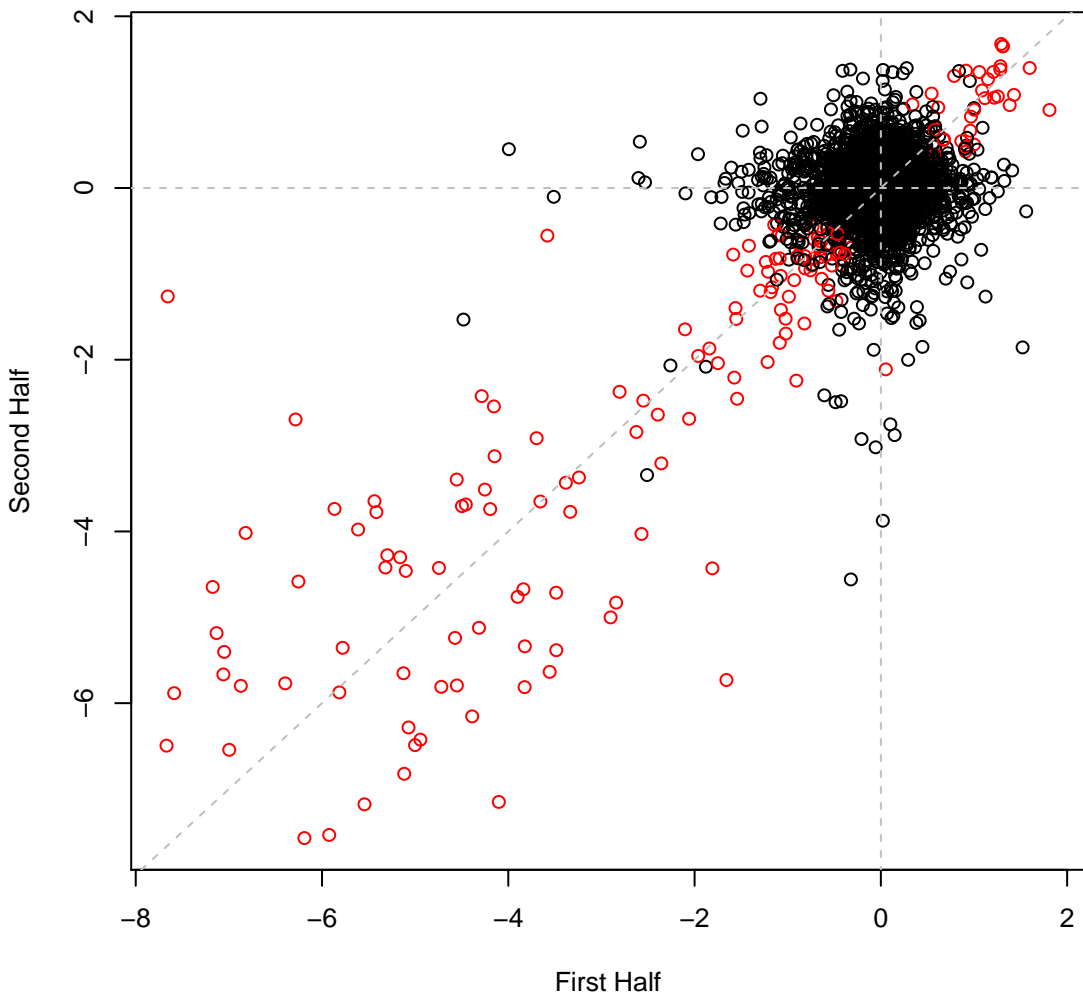
**BFirm set3IT066 #108 (gMed=150 rho12=0.150)**  
**L-Phenylalanine (N)**



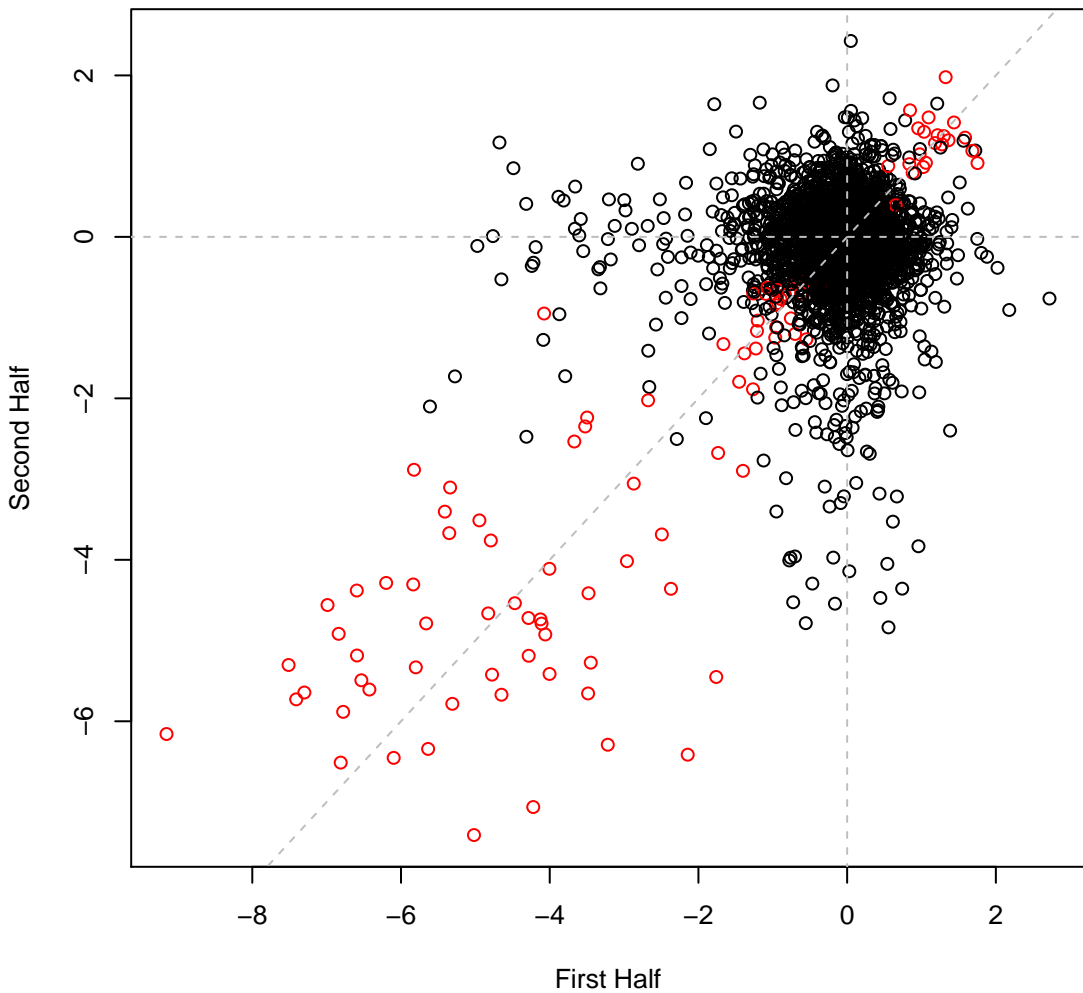
**BFirm set3IT067 #109 (gMed=20 rho12=0.033)**  
**L-tyrosine (N)**



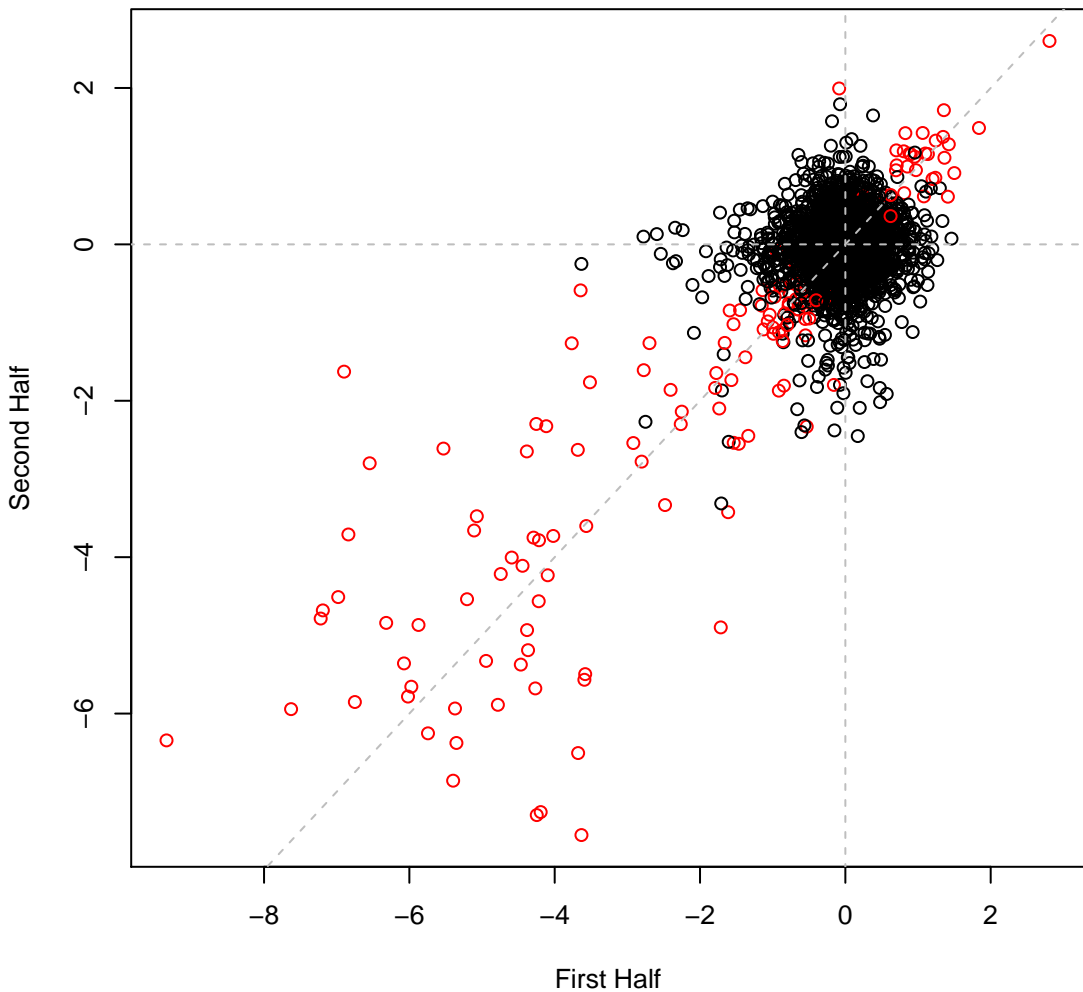
**BFirm set3IT068 #110 (gMed=135 rho12=0.191)**  
**D-Alanine (N)**



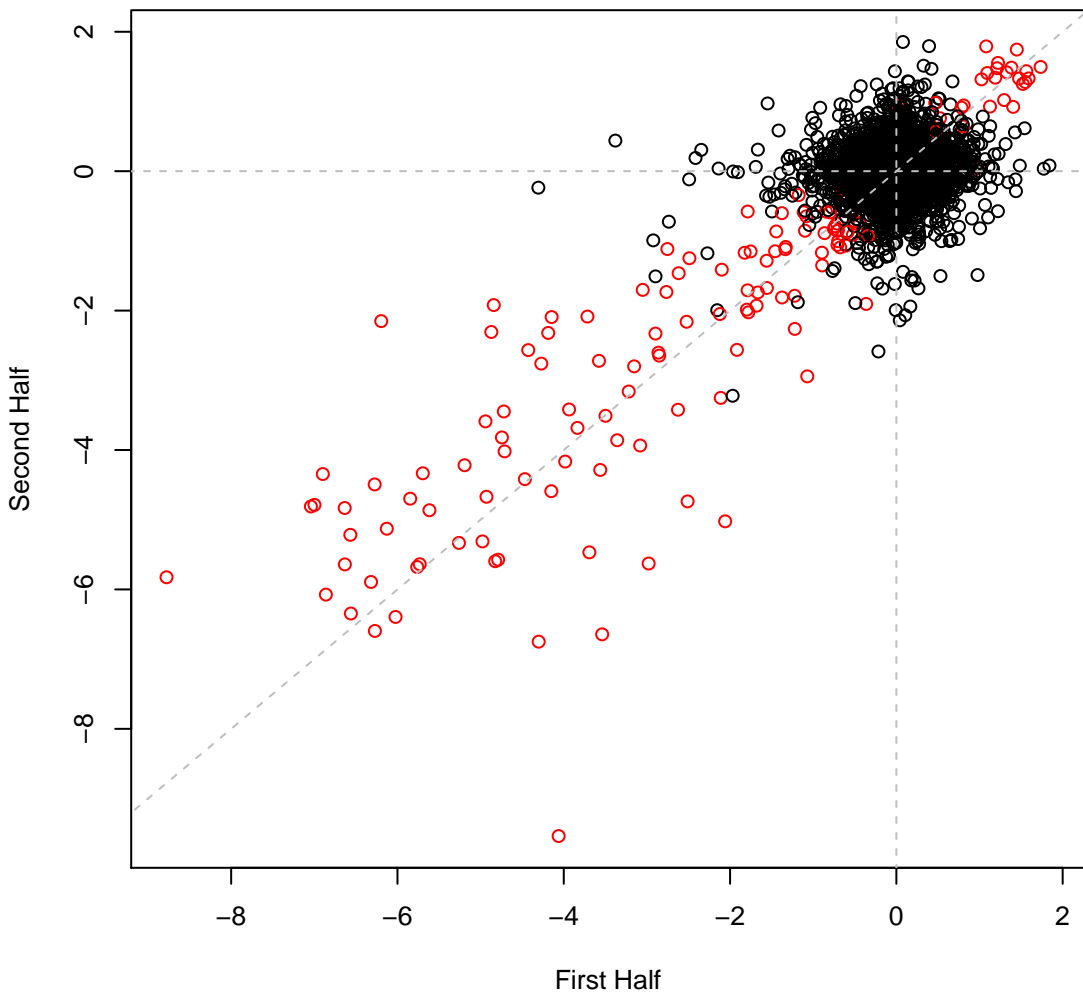
**BFirm set3IT069 #111 (gMed=121 rho12=0.077)**  
**Gly-DL-Asp (N)**



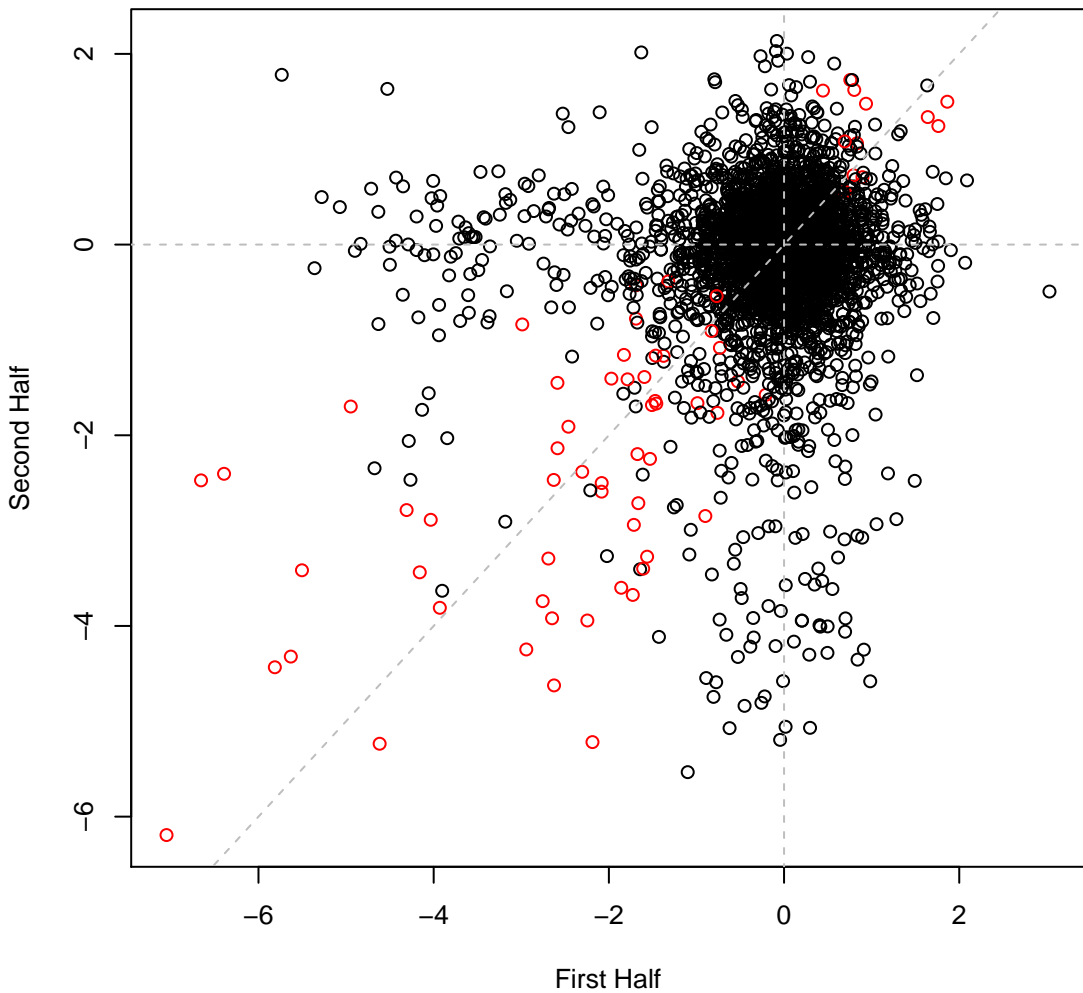
**BFirm set3IT070 #112 (gMed=141 rho12=0.169)**  
**L-Citrulline (N)**



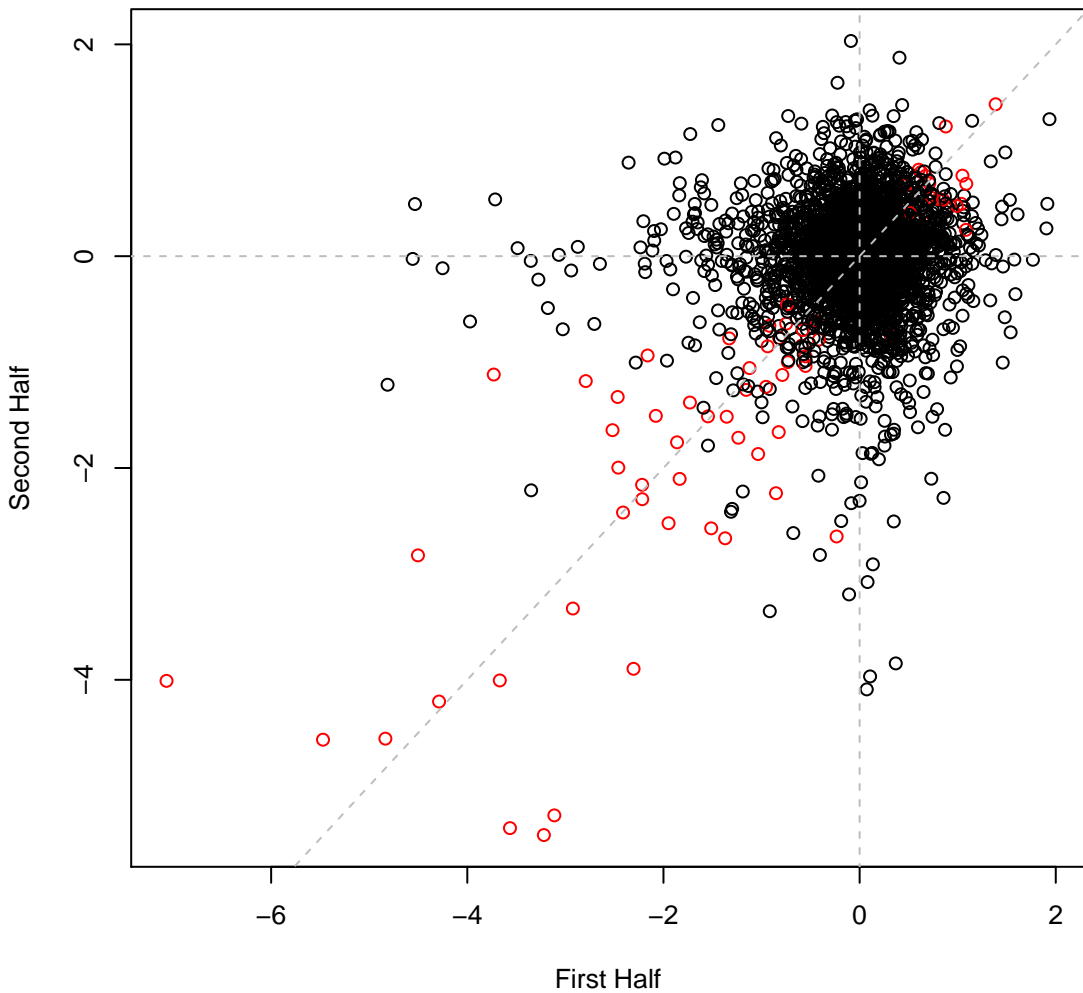
**BFirm set3IT071 #113 (gMed=146 rho12=0.196)**  
**Carnitine Hydrochloride (N)**



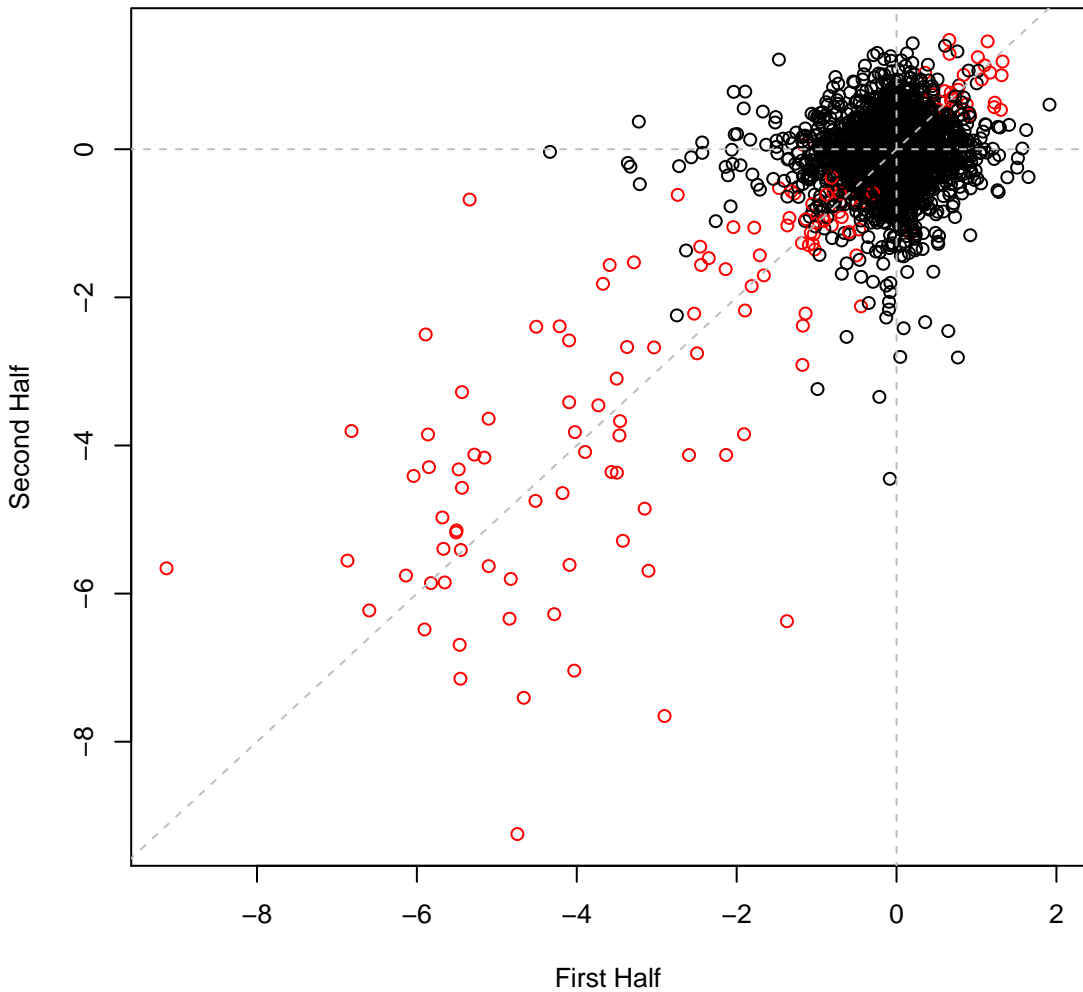
**BFirm set3IT072 #114 (gMed=121 rho12=0.073)**  
**Gelatin (N)**



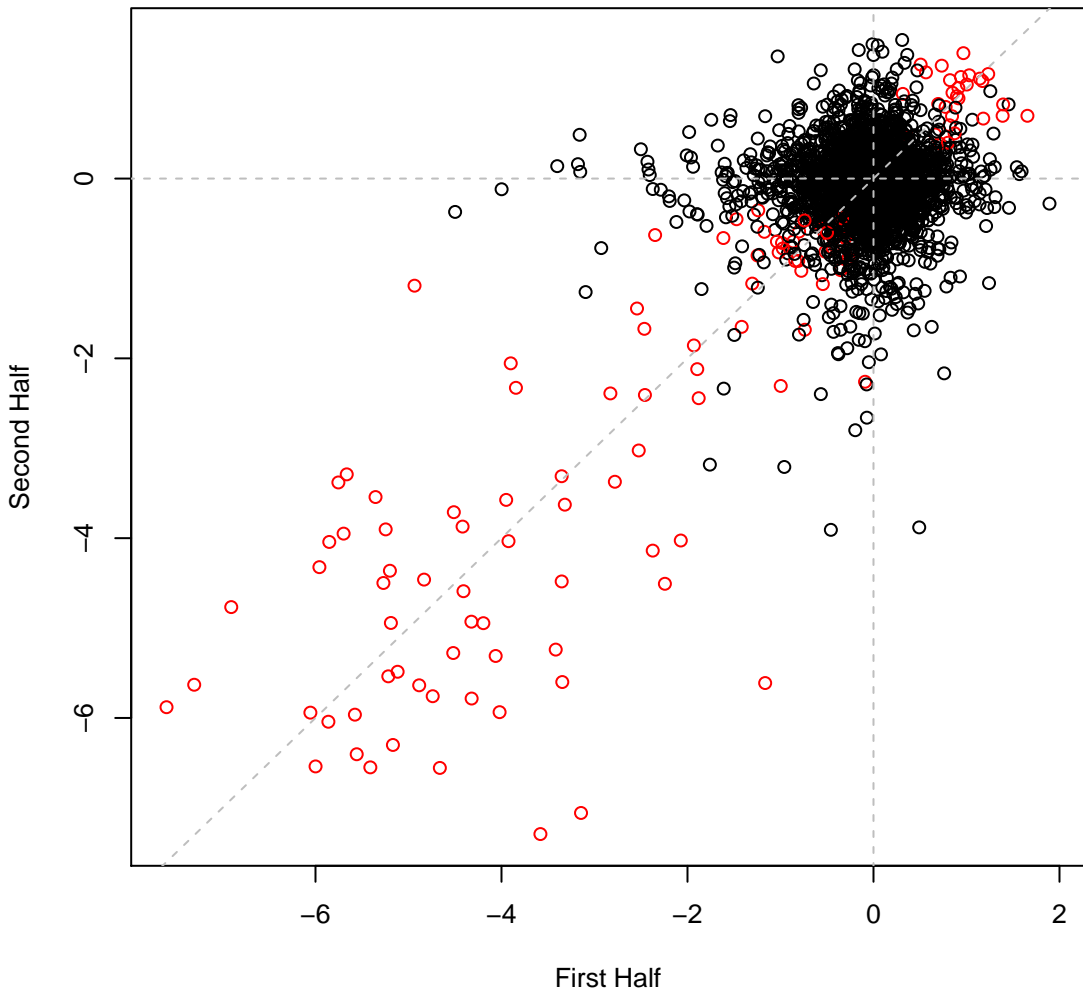
**BFirm set3IT073 #115 (gMed=113 rho12=0.093)**  
**casaminos (N)**



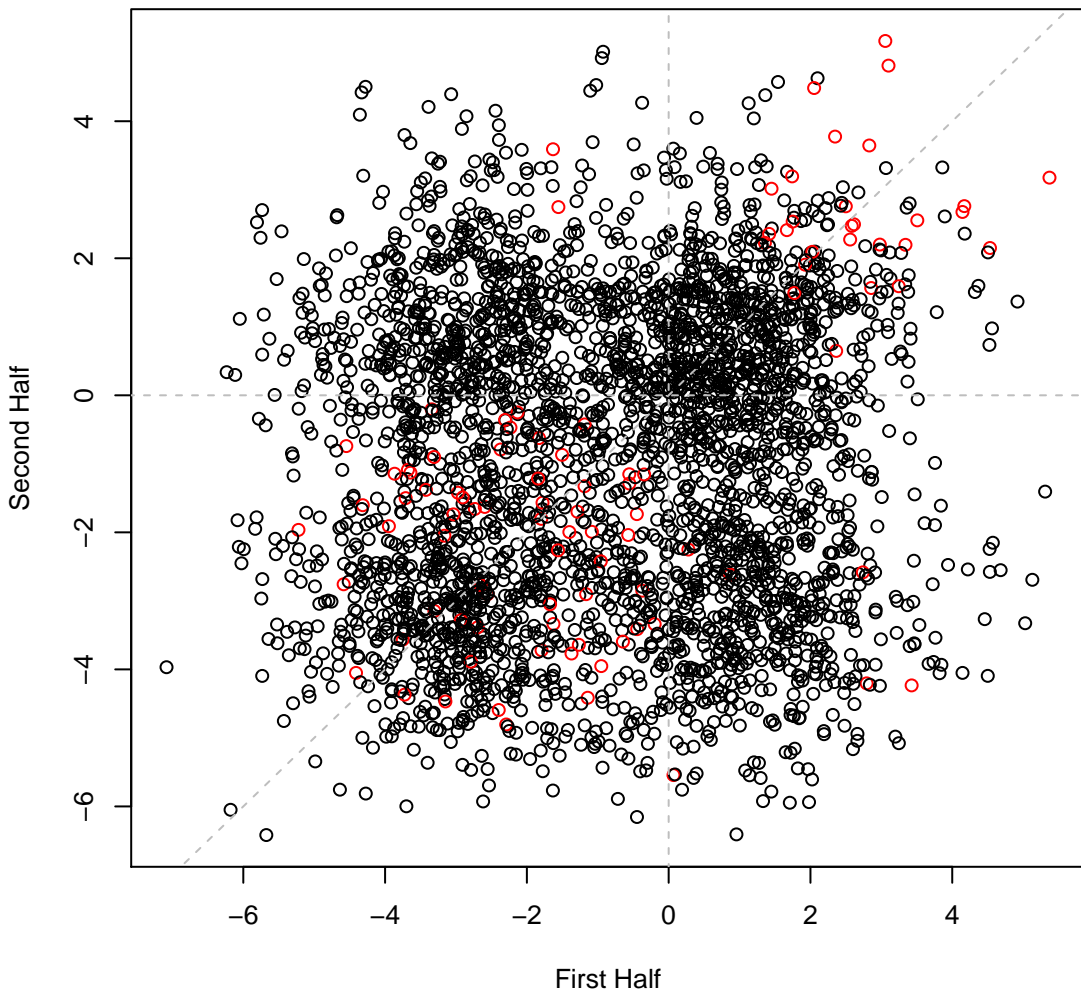
**BFirm set3IT074 #116 (gMed=112 rho12=0.176)**  
**Putrescine (N)**



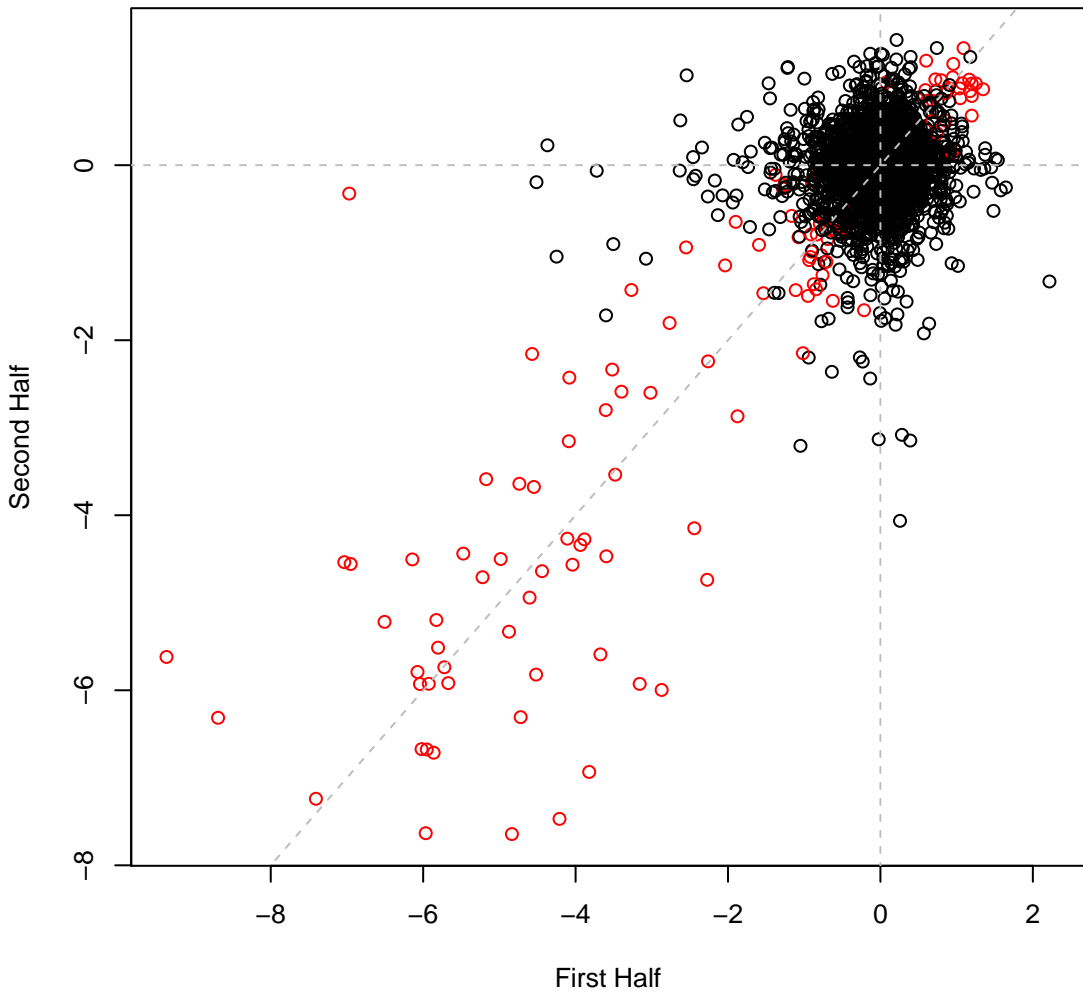
**BFirm set3IT075 #117 (gMed=101 rho12=0.140)**  
**NAG (N)**



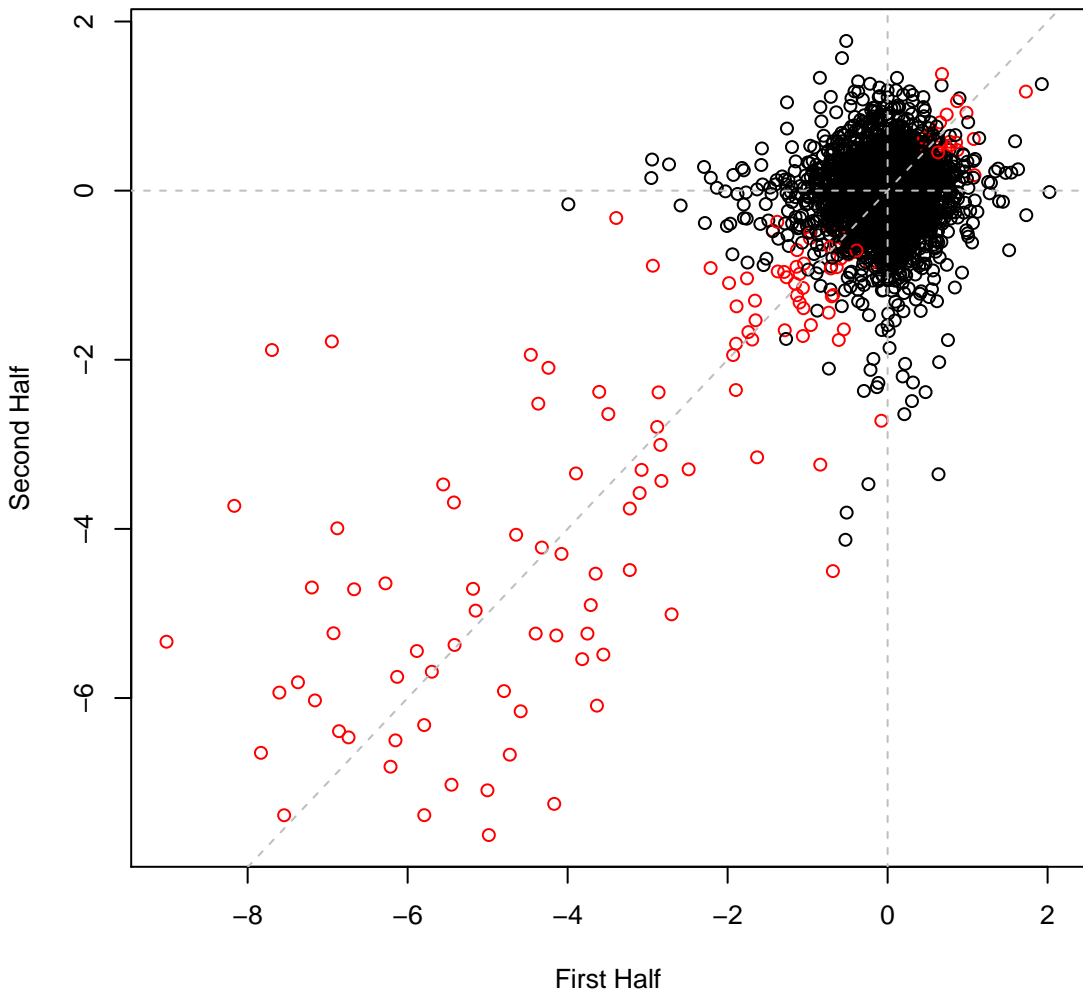
**BFirm set3IT076 #118 (gMed=26 rho12=0.066)**  
**Parabanic Acid (N)**



**BFirm set3IT077 #119 (gMed=138 rho12=0.148)**  
**Uridine (N)**

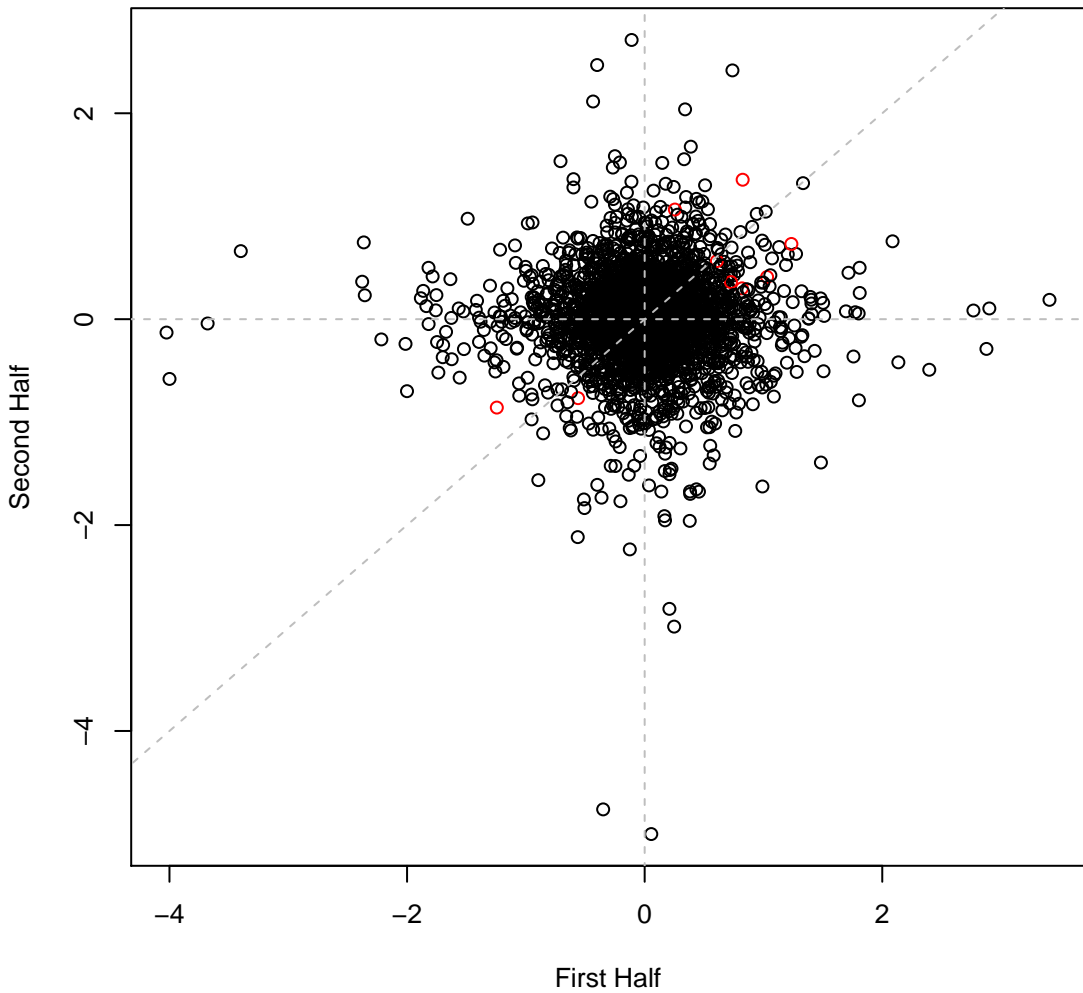


**BFirm set3IT078 #120 (gMed=144 rho12=0.139)**  
**Ammonium chloride (N)**



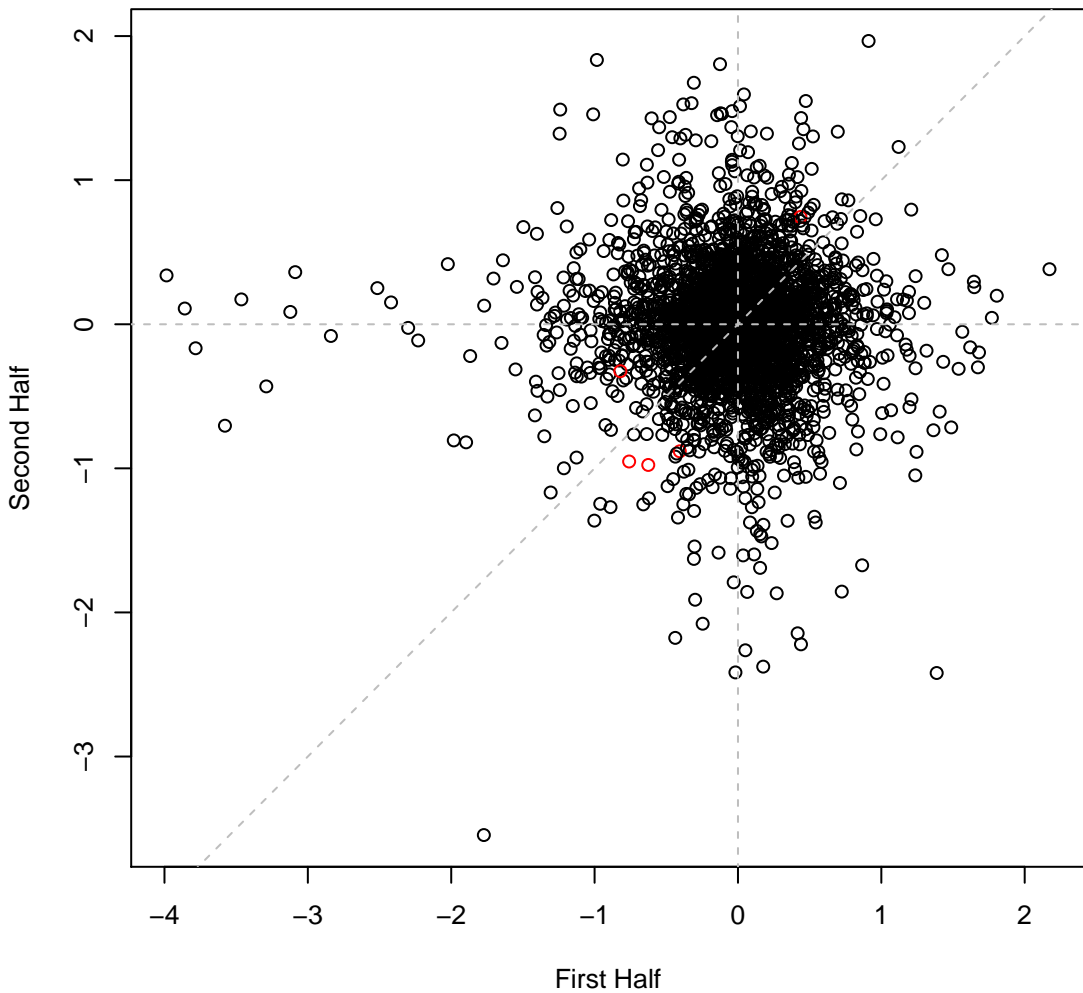
**BFirm set3IT080 #122 (gMed=160 rho12=-0.002)**

**Time0**



**BFirm set3IT081 #123 (gMed=115 rho12=-0.006)**

**Time0**



**BFirm set3IT082 #124 (gMed=136 rho12=0.015)**

**Time0**

