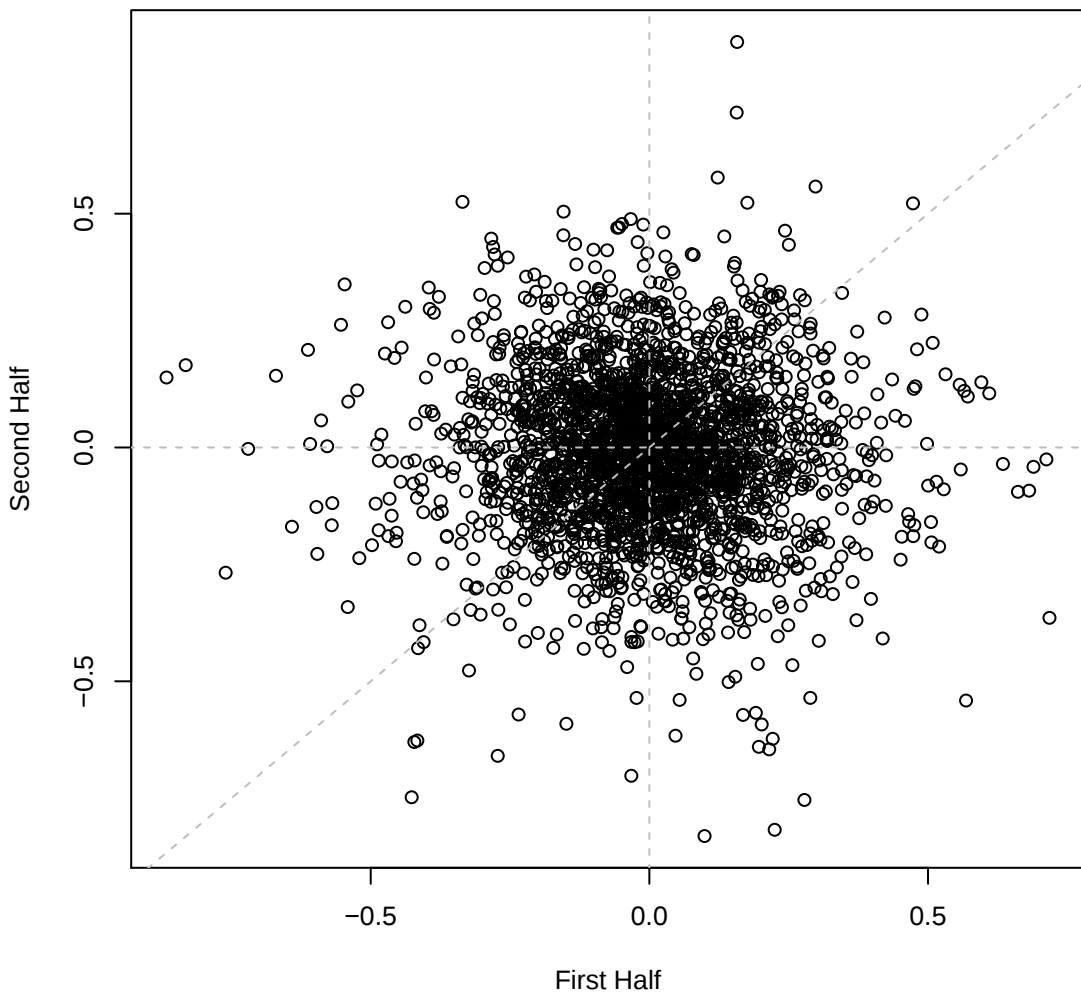


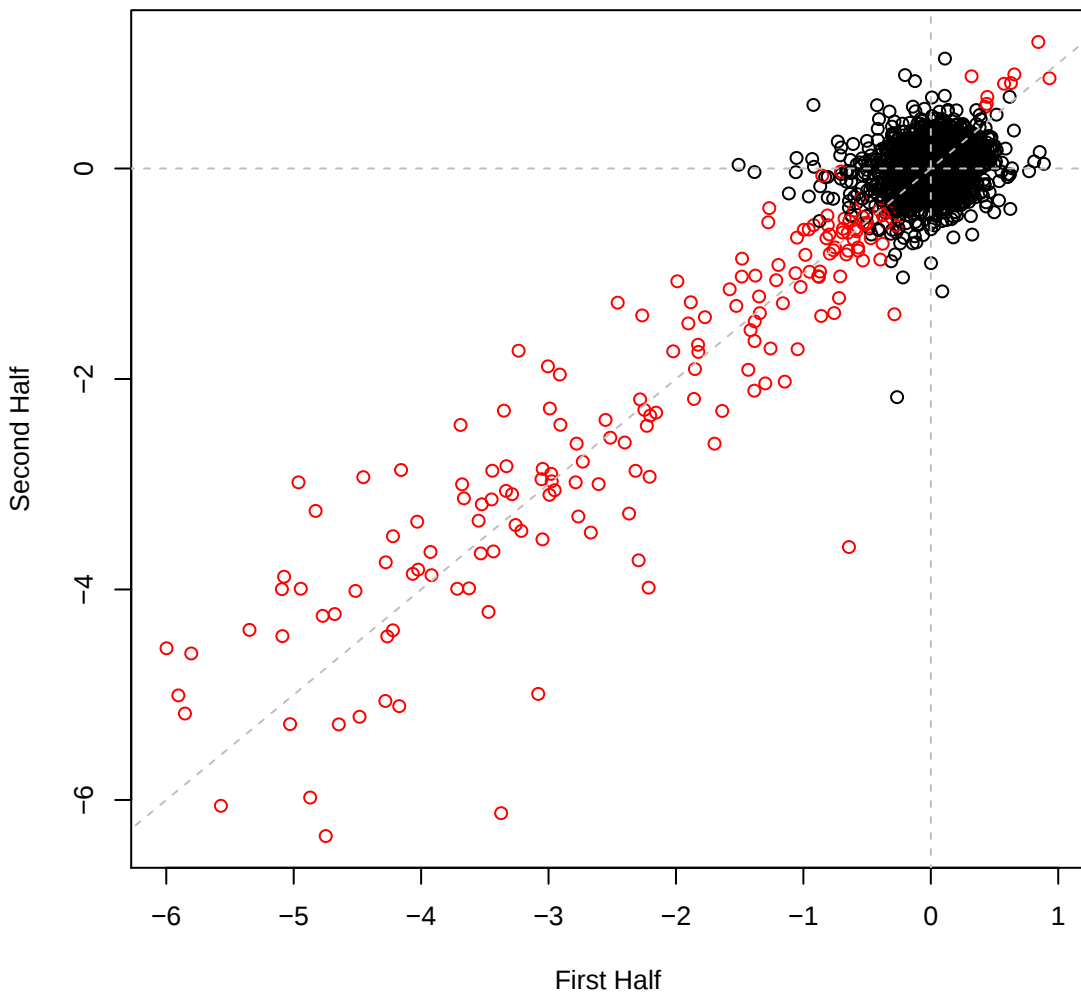
Keio set1IT002 #2 (gMed=218 rho12=-0.036)

Time0

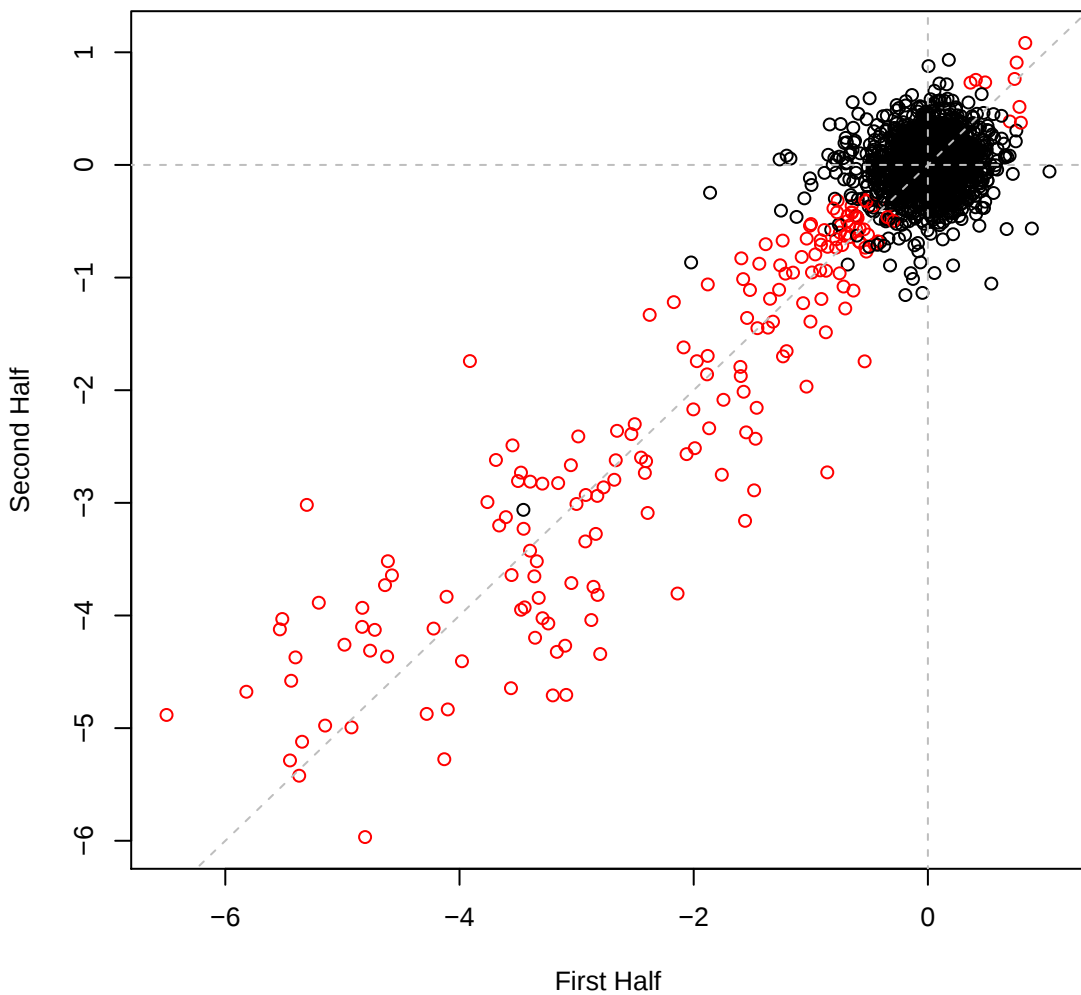


Keio set1IT003 #3 (gMed=206 rho12=0.319)

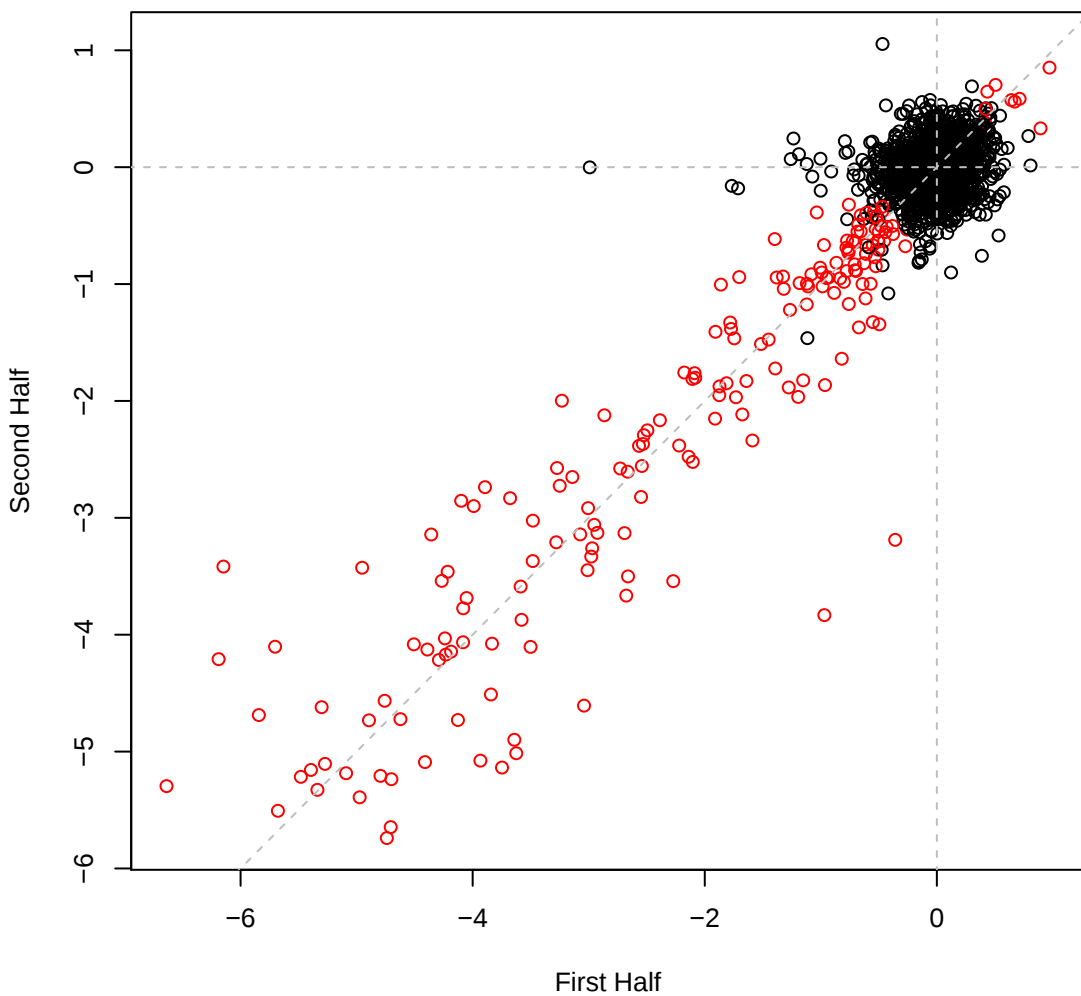
D-Glucose (C)



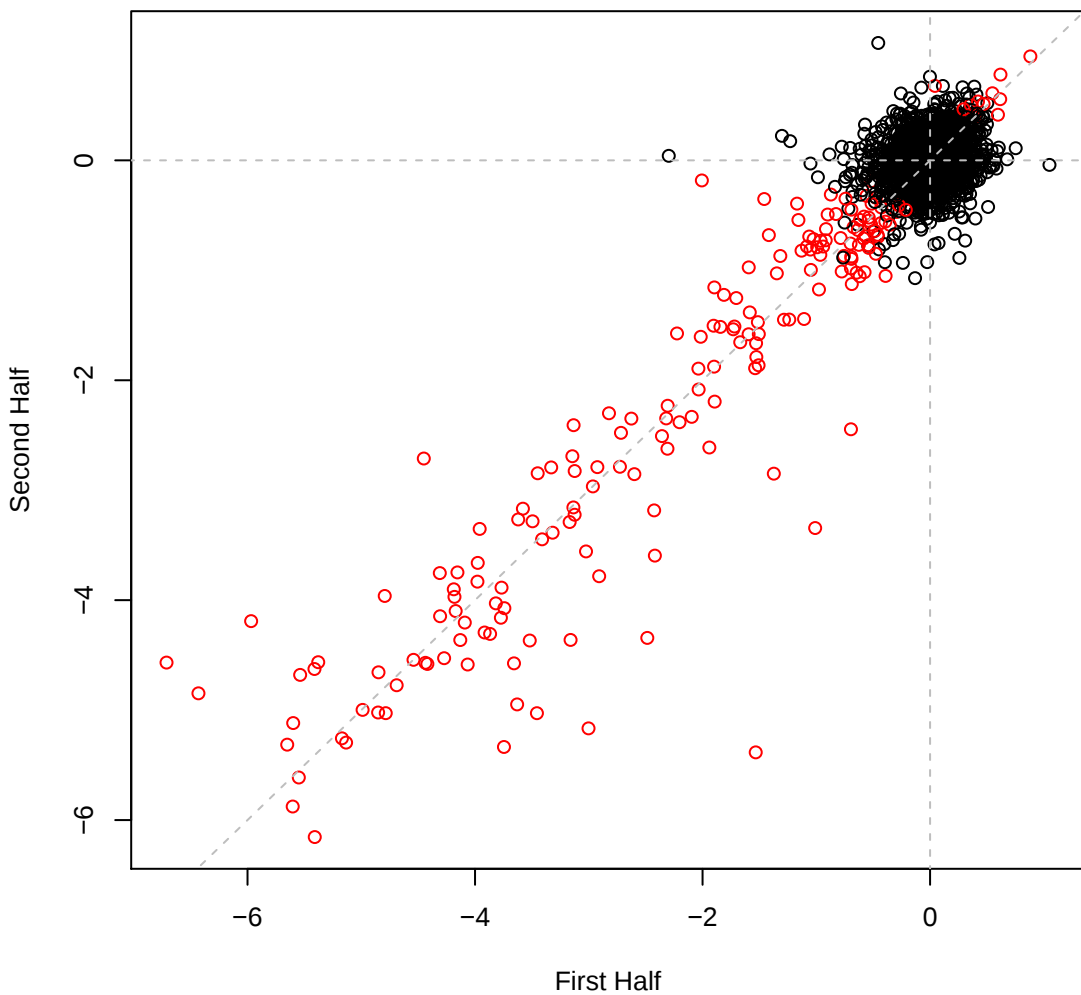
**Keio set1IT004 #4 (gMed=195 rho12=0.282)**  
**D-Glucose (C)**



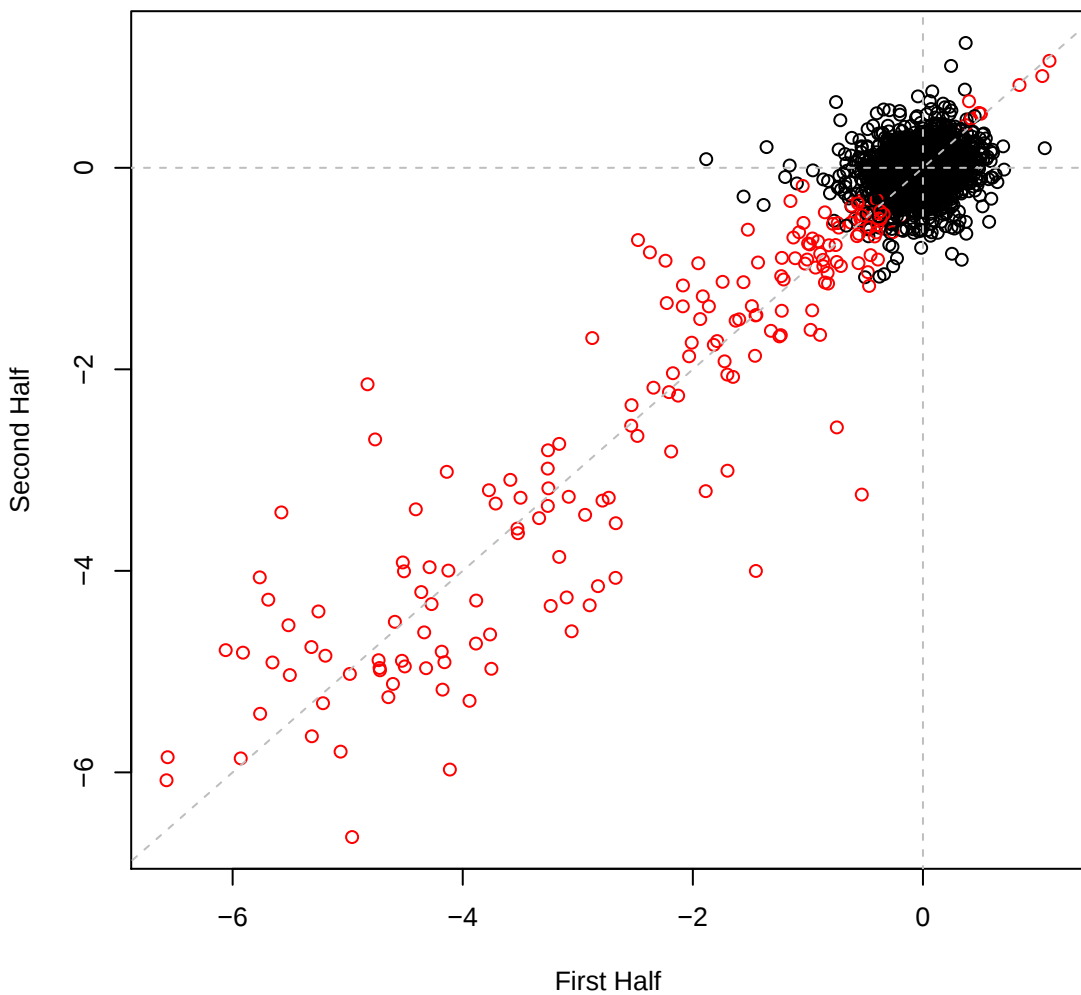
**Keio set1IT005 #5 (gMed=222 rho12=0.330)**  
**D-Fructose (C)**



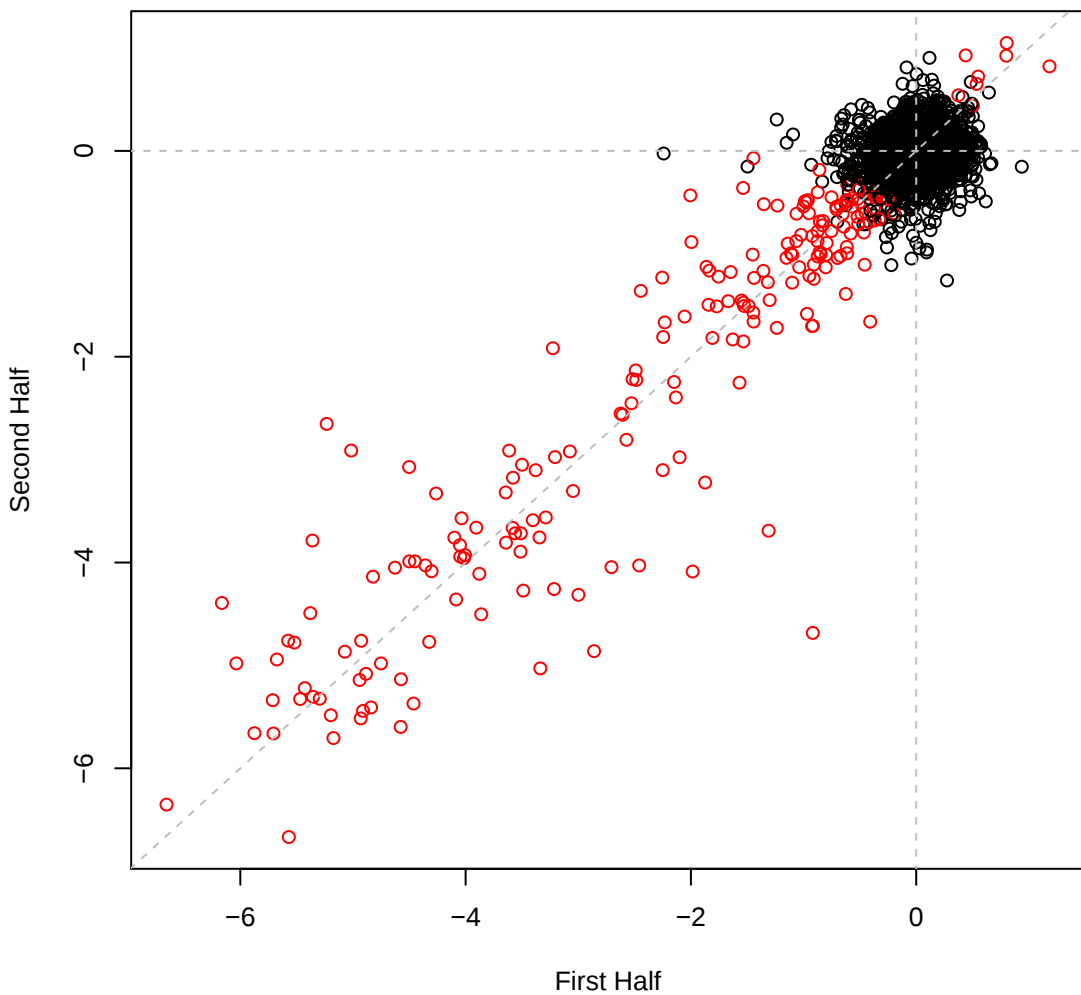
**Keio set1IT006 #6 (gMed=241 rho12=0.333)**  
**D-Fructose (C)**



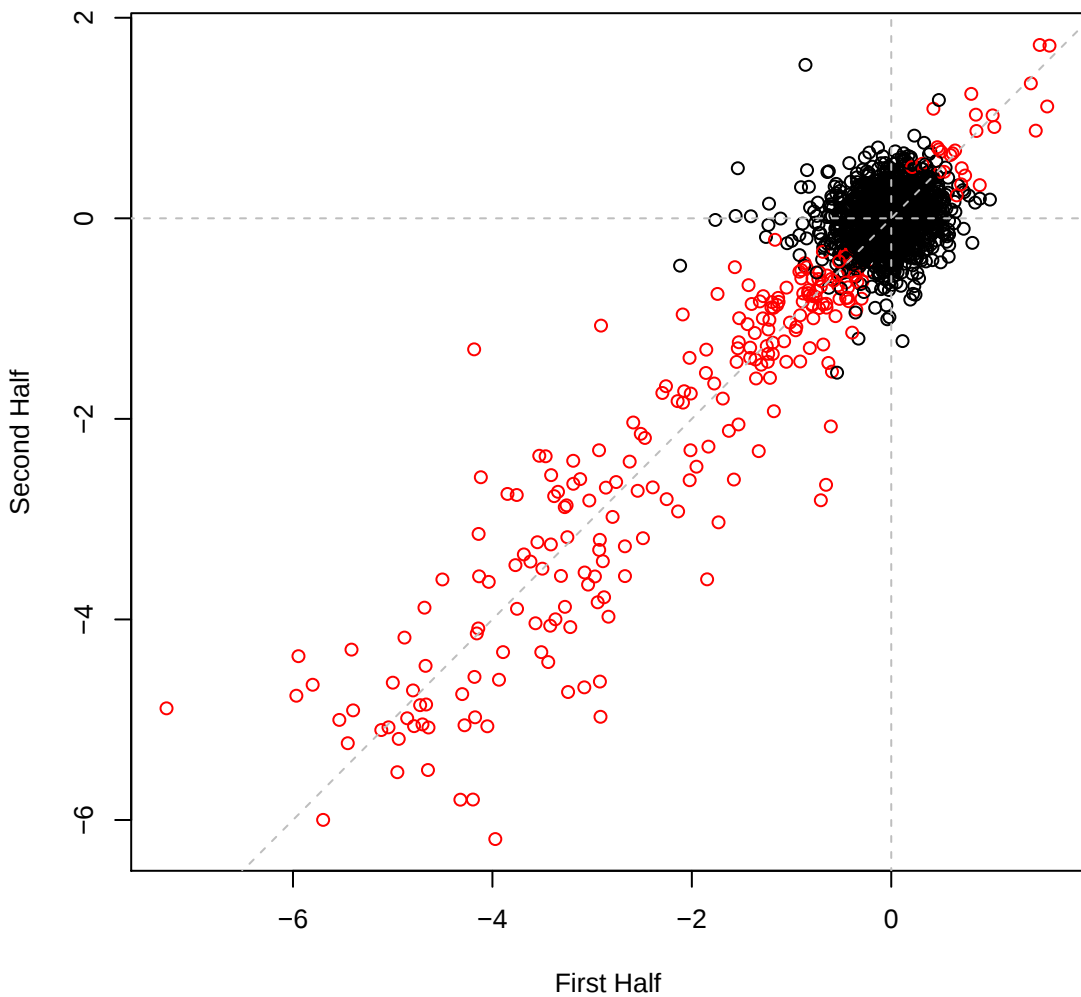
**Keio set1IT007 #7 (gMed=214 rho12=0.319)**  
**Sucrose (C)**



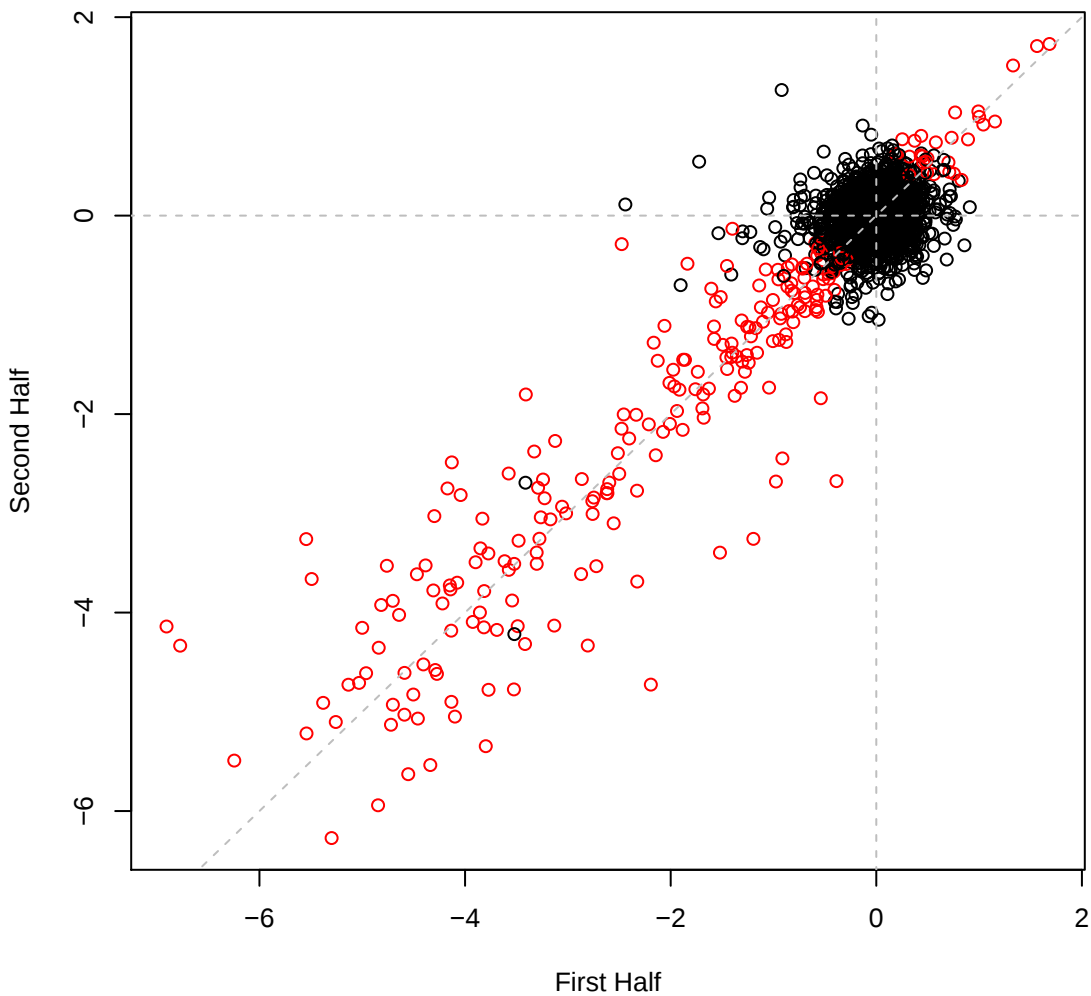
**Keio set1IT008 #8 (gMed=230 rho12=0.323)**  
**Sucrose (C)**



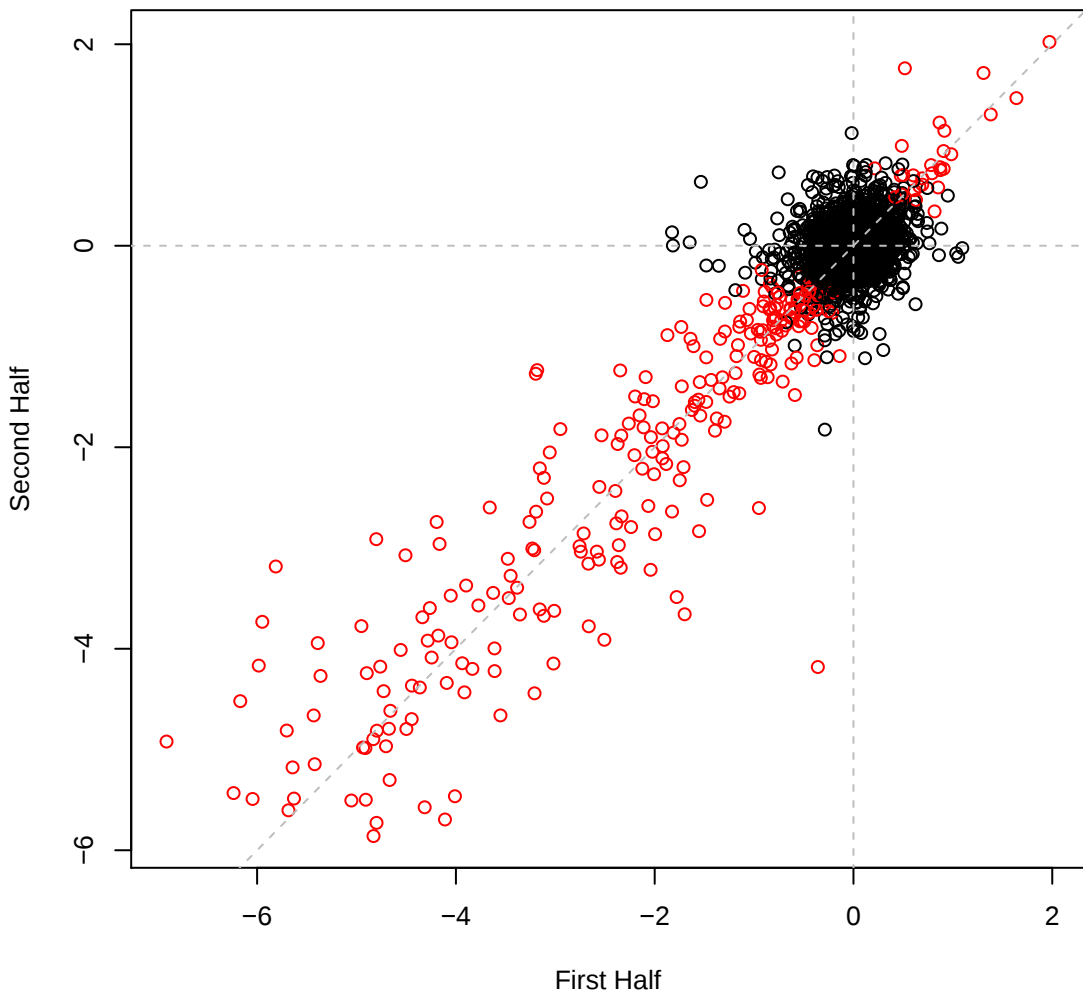
**Keio set1IT009 #9 (gMed=196 rho12=0.402)**  
**D-Maltose (C)**



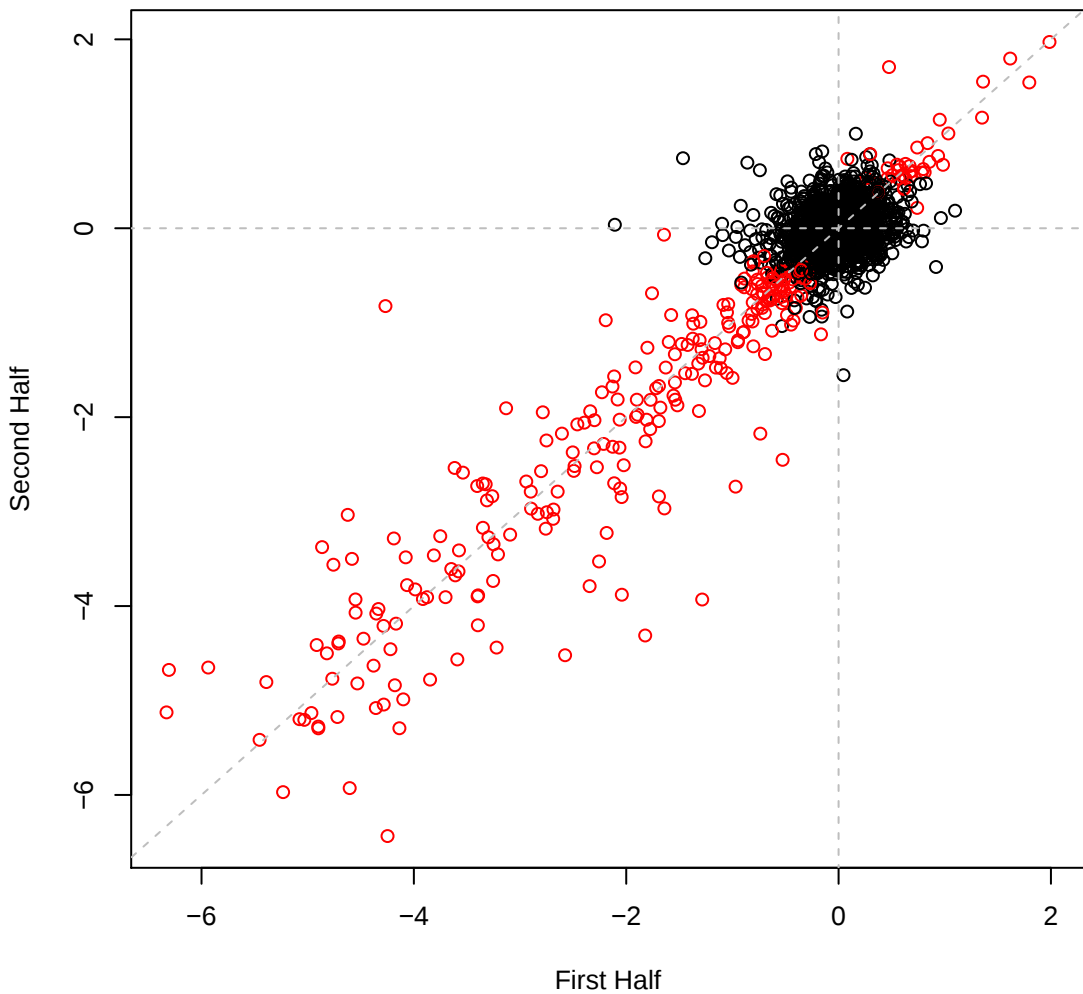
**Keio set1IT010 #10 (gMed=179 rho12=0.390)**  
**D-Maltose (C)**



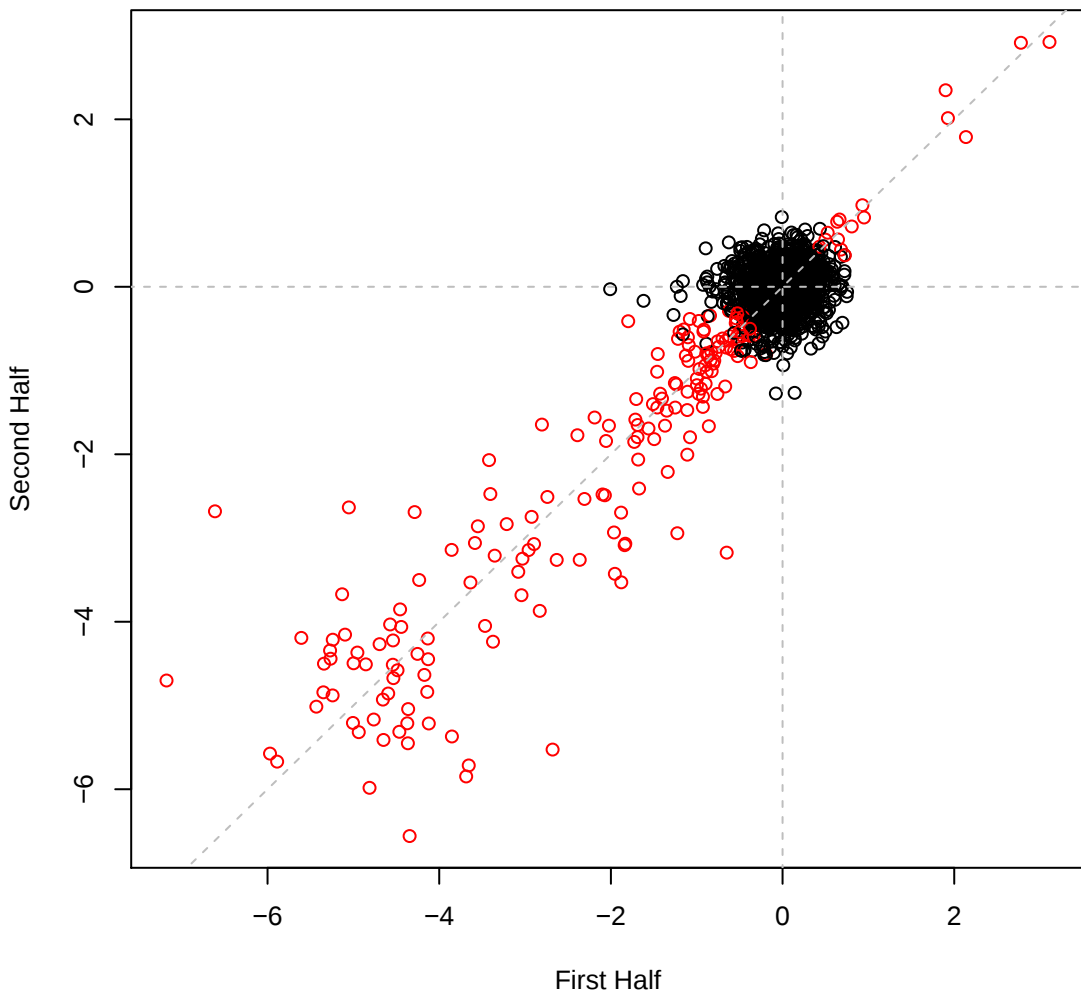
**Keio set1IT011 #11 (gMed=179 rho12=0.410)**  
**D-Xylose (C)**



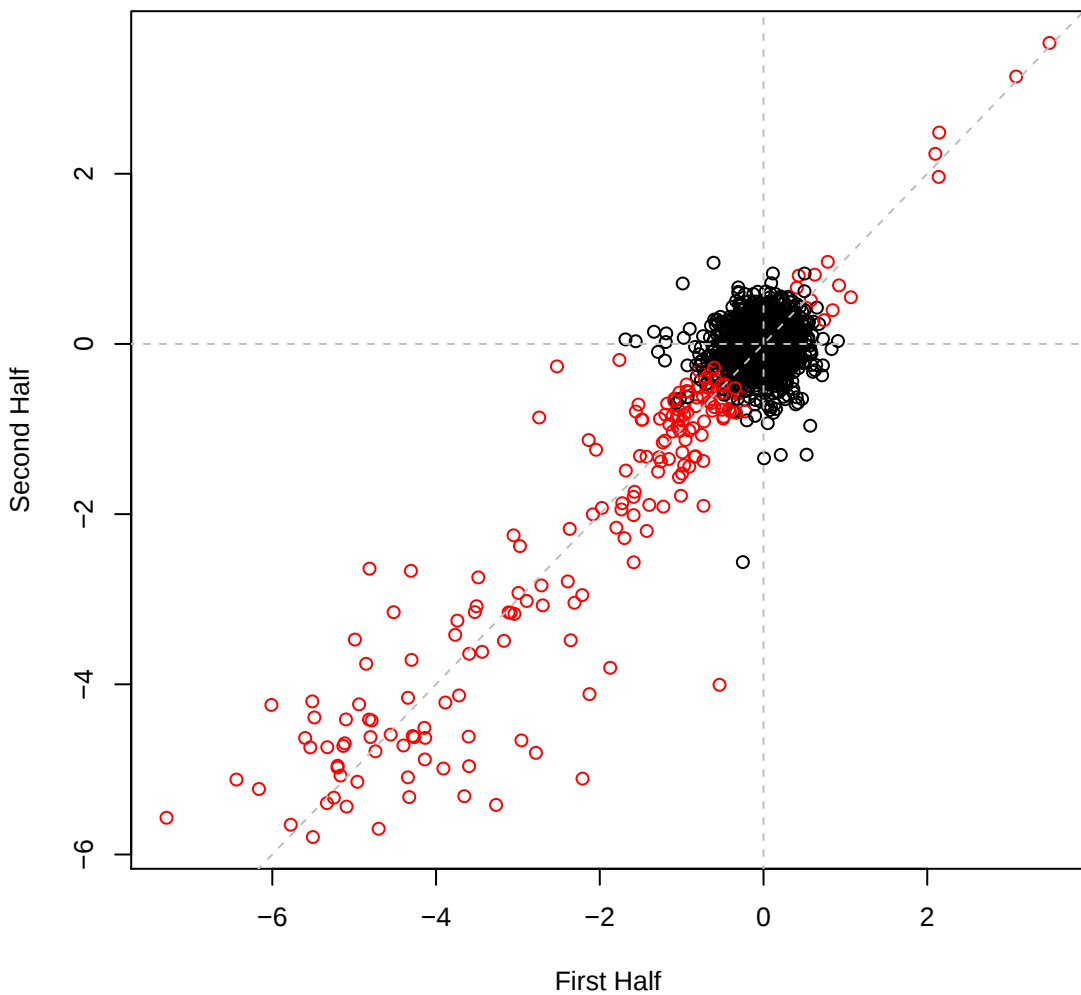
**Keio set1IT012 #12 (gMed=215 rho12=0.461)**  
**D-Xylose (C)**



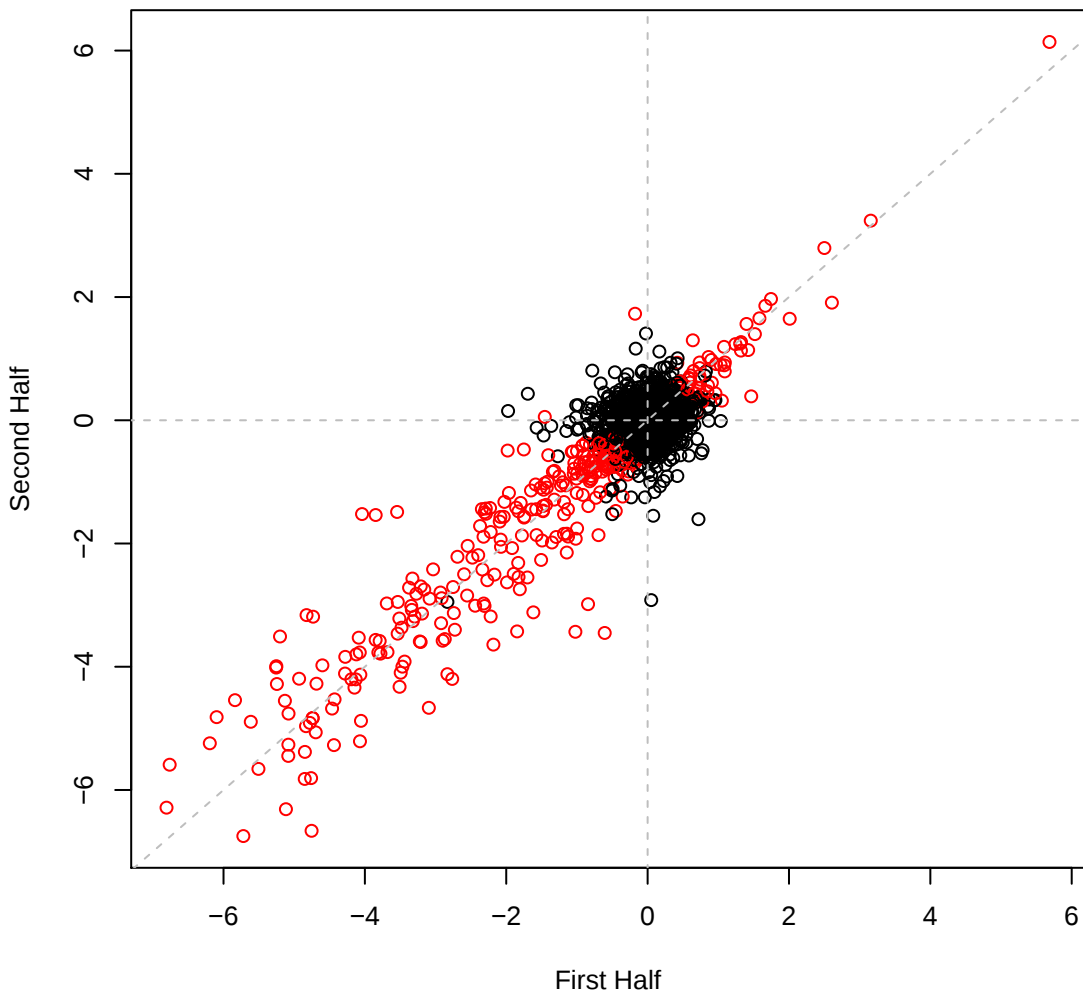
**Keio set1IT013 #13 (gMed=189 rho12=0.307)**  
**D-Galactose (C)**



**Keio set1IT014 #14 (gMed=183 rho12=0.280)**  
**D-Galactose (C)**

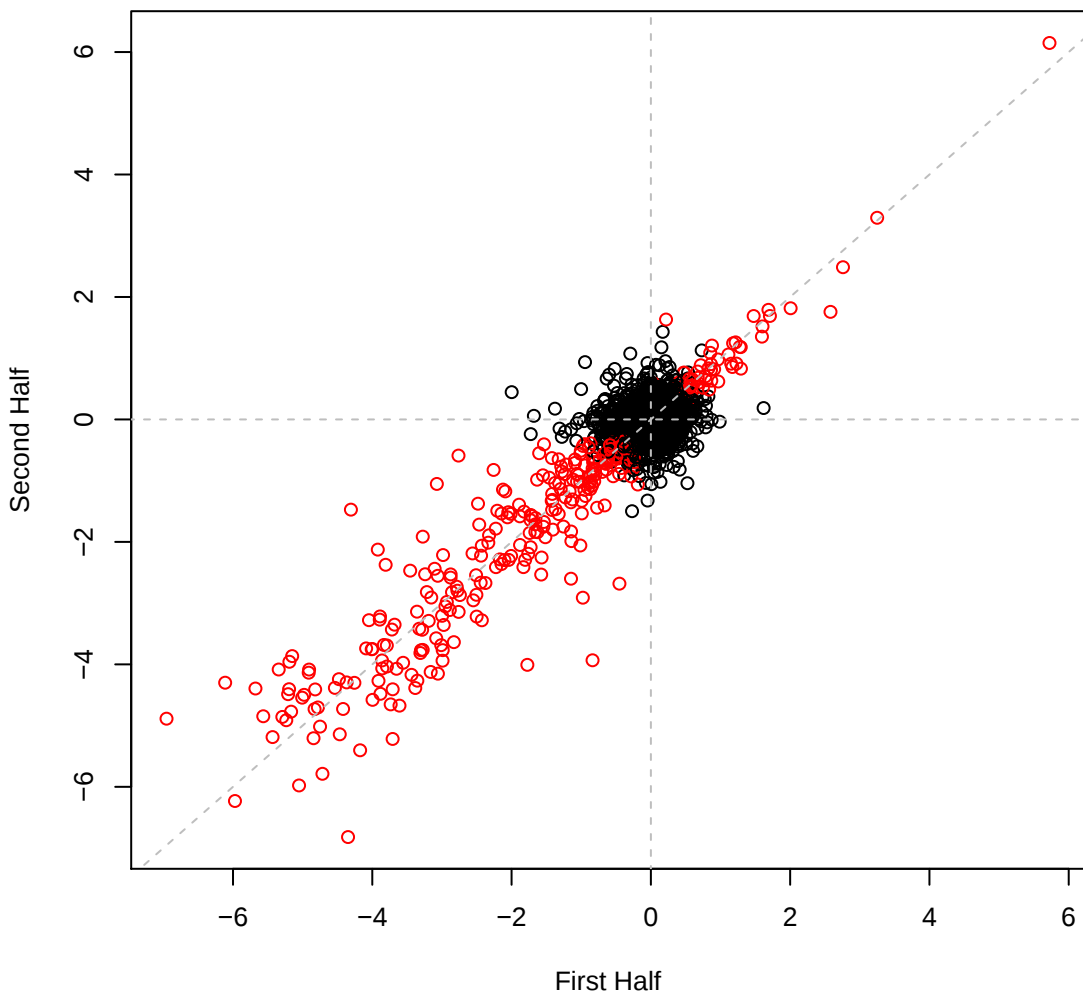


**Keio set1IT015 #15 (gMed=177 rho12=0.443)**  
**D-Ribose (C)**

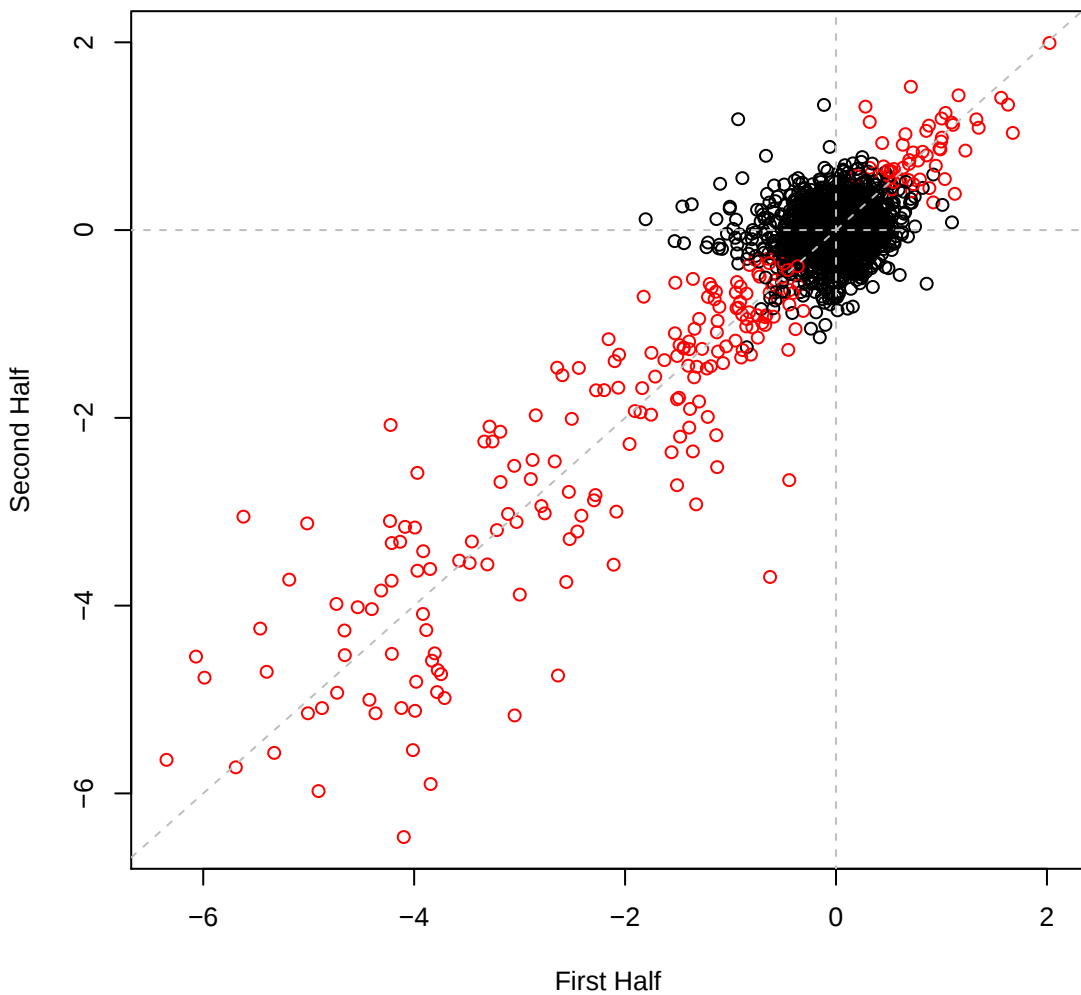


Keio set1IT016 #16 (gMed=202 rho12=0.448)

D-Ribose (C)

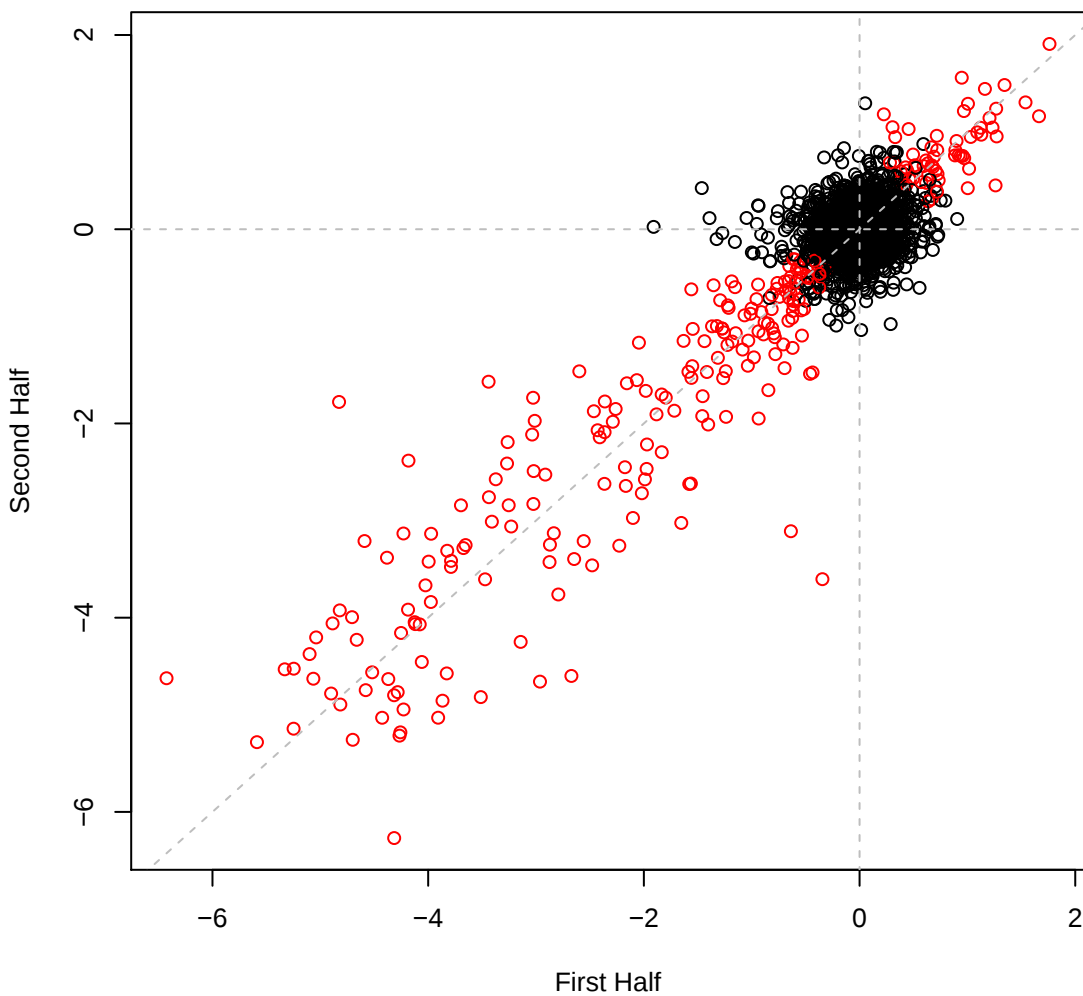


**Keio set1IT017 #17 (gMed=190 rho12=0.384)**  
**L-Fucose (C)**

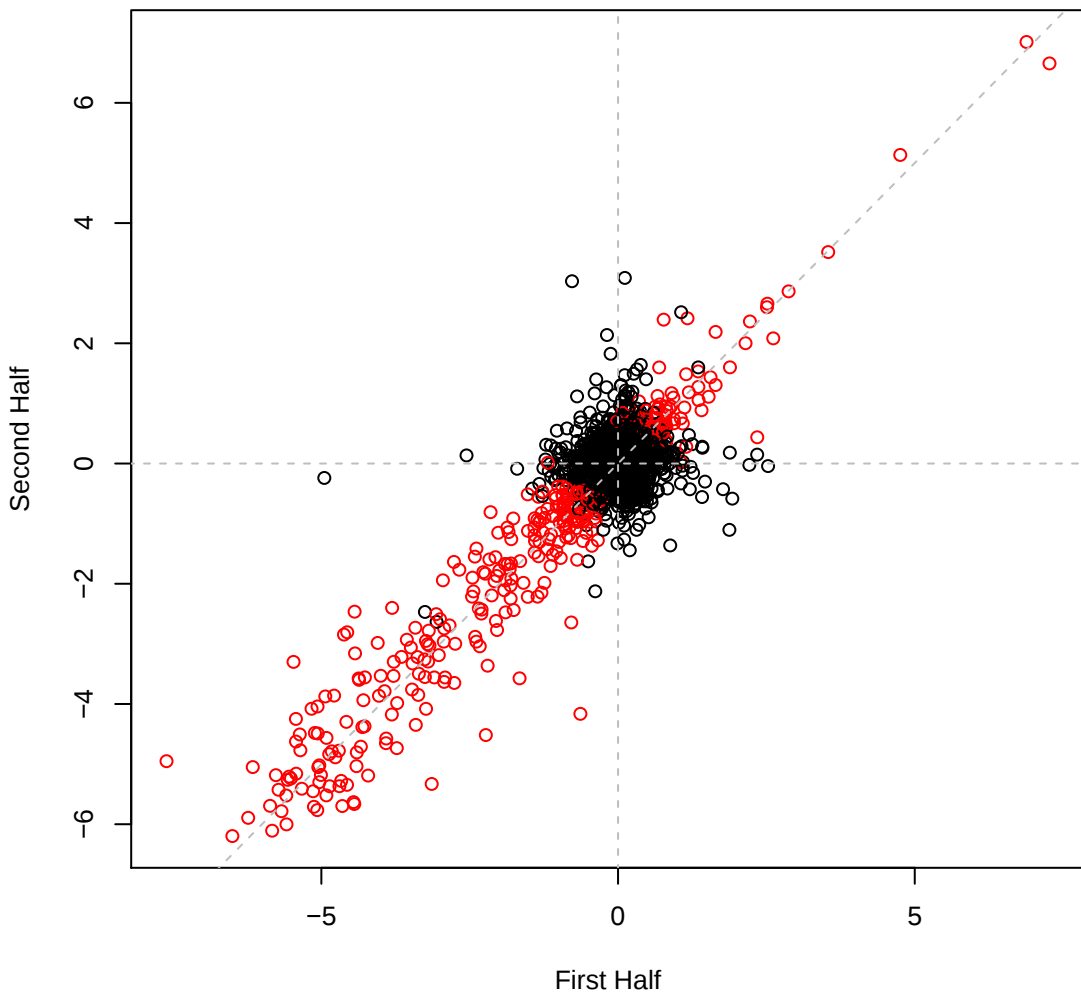


Keio set1IT018 #18 (gMed=192 rho12=0.392)

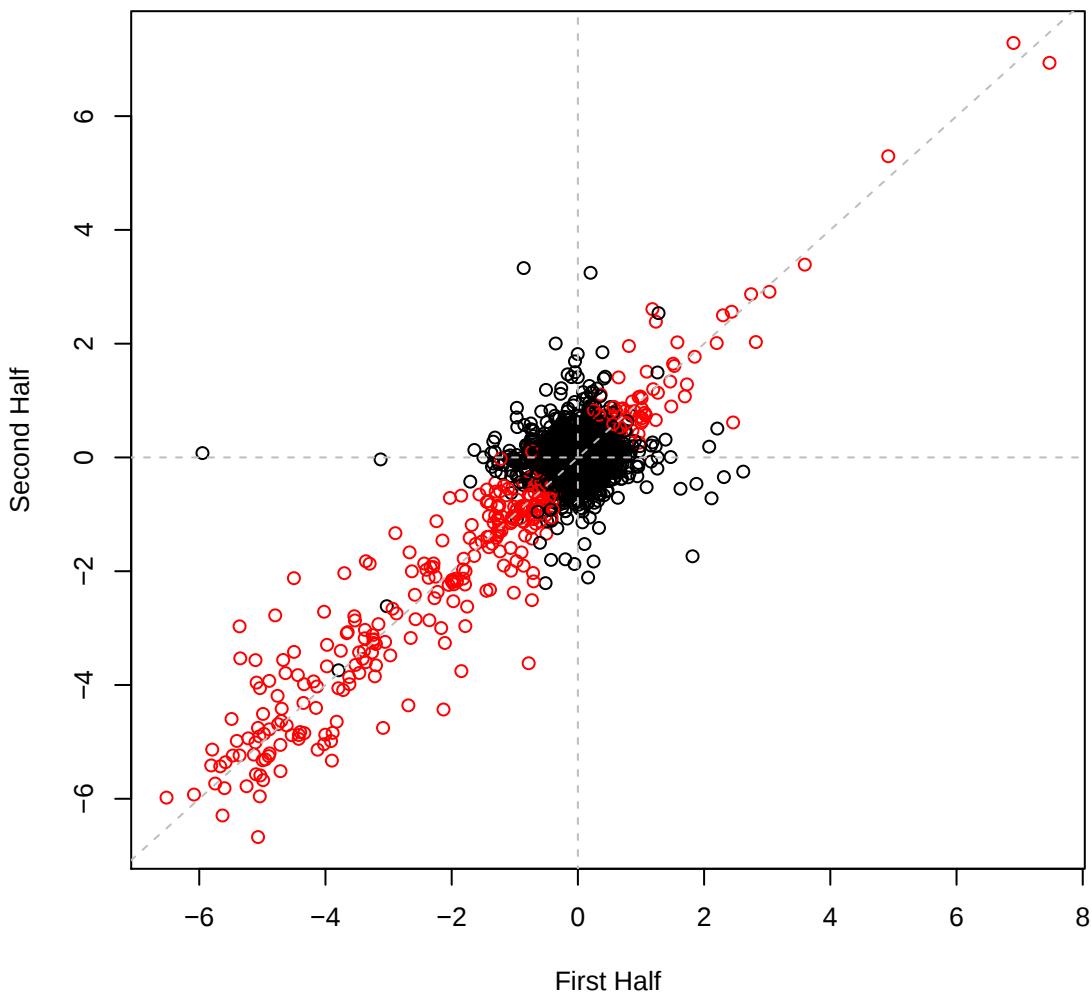
L-Fucose (C)



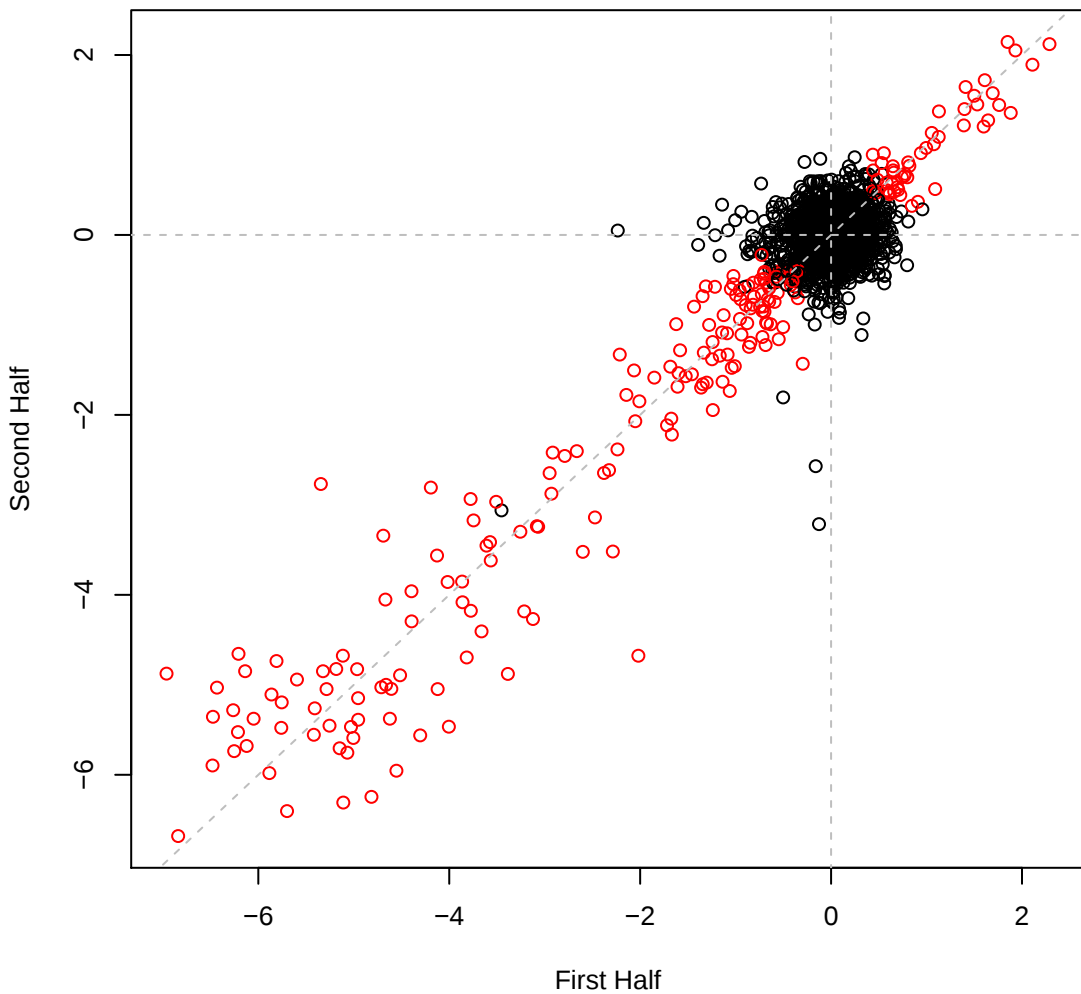
**Keio set1IT019 #19 (gMed=166 rho12=0.428)**  
 **$\alpha$ -Ketoglutaric (C)**



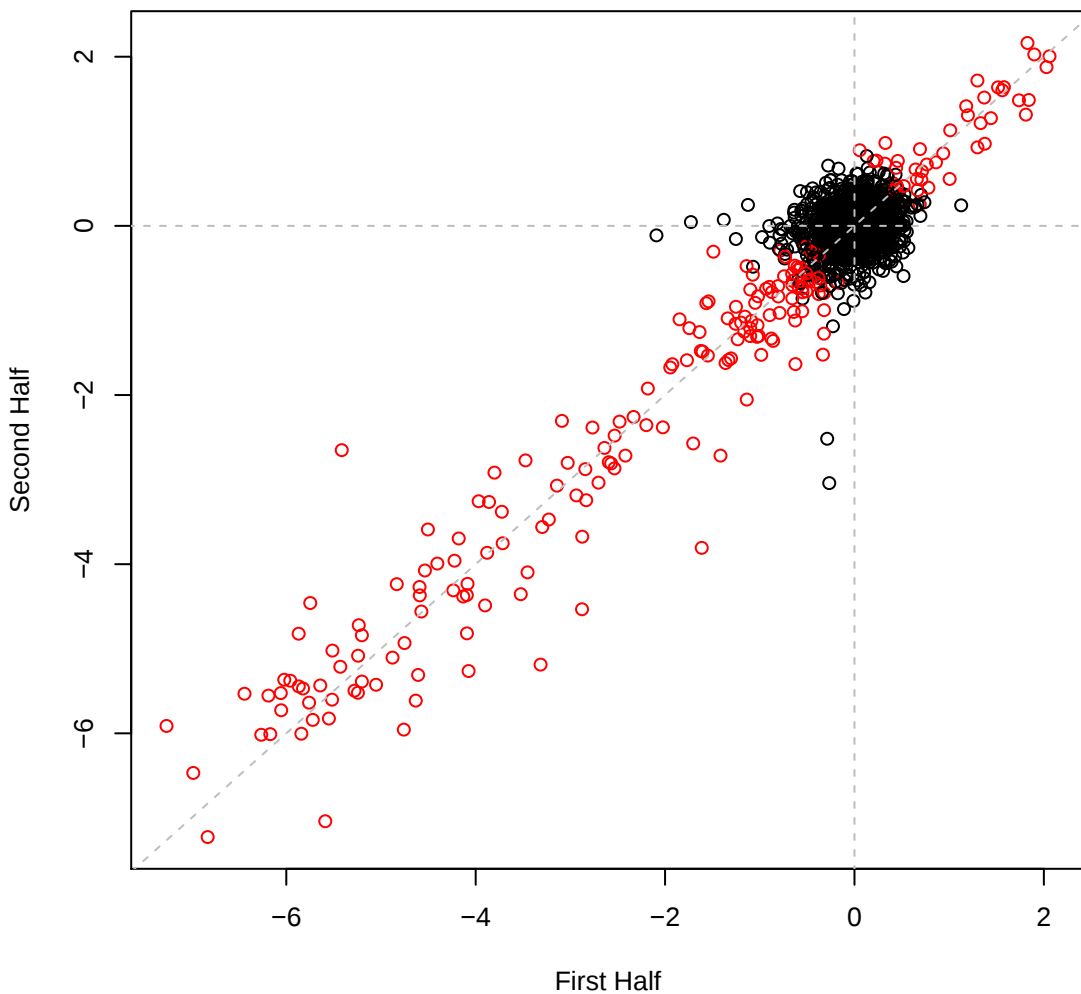
**Keio set1IT020 #20 (gMed=164 rho12=0.431)**  
 **$\alpha$ -Ketoglutaric (C)**



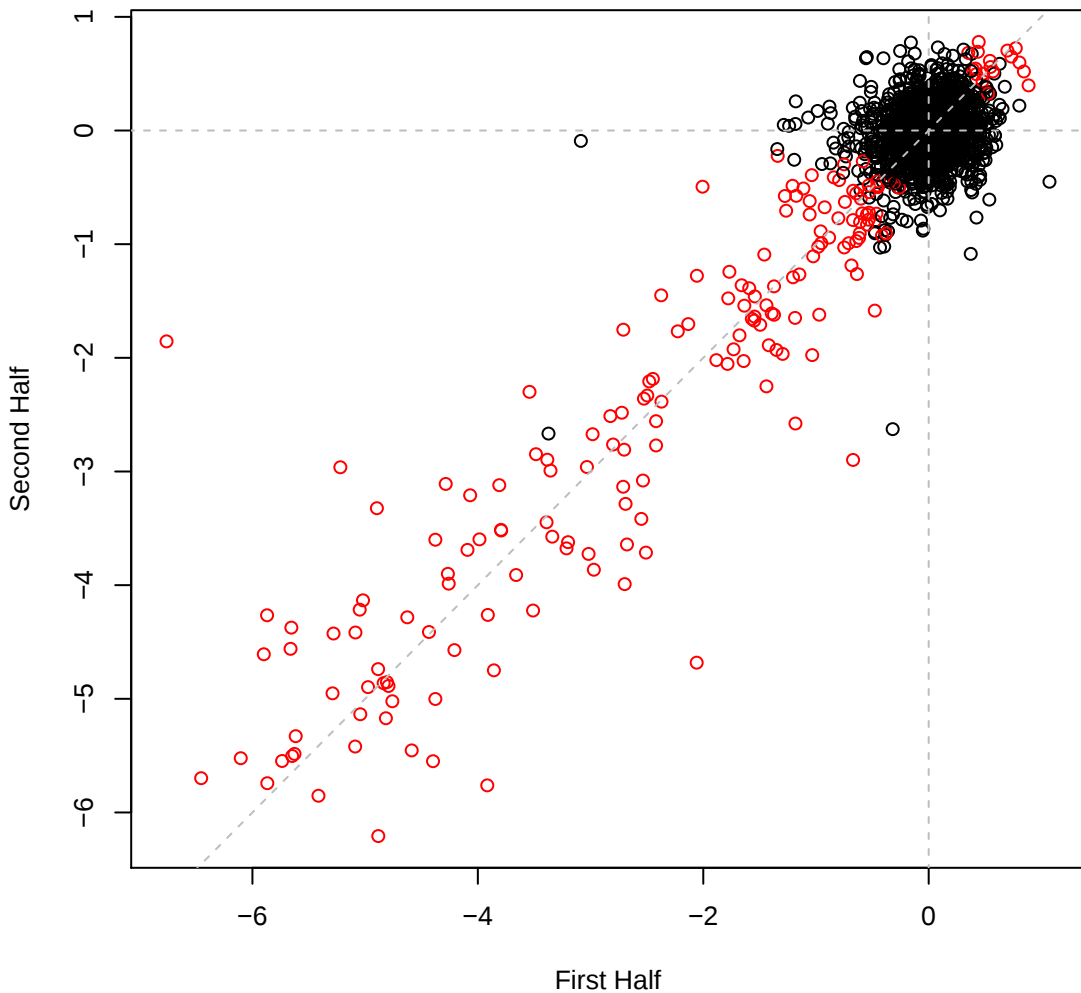
**Keio set1IT021 #21 (gMed=199 rho12=0.335)**  
**D-Glucuronic Acid (C)**



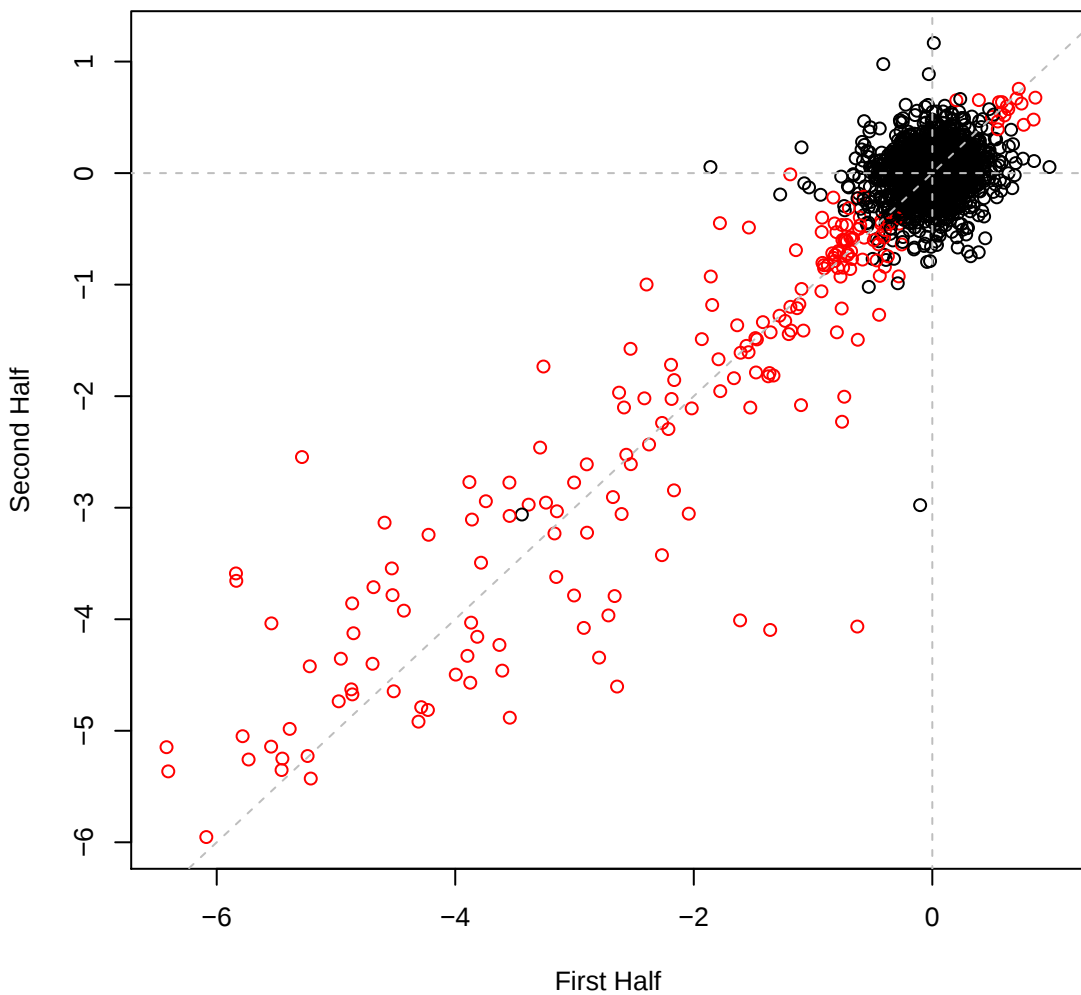
**Keio set1IT022 #22 (gMed=200 rho12=0.364)**  
**D-Glucuronic Acid (C)**



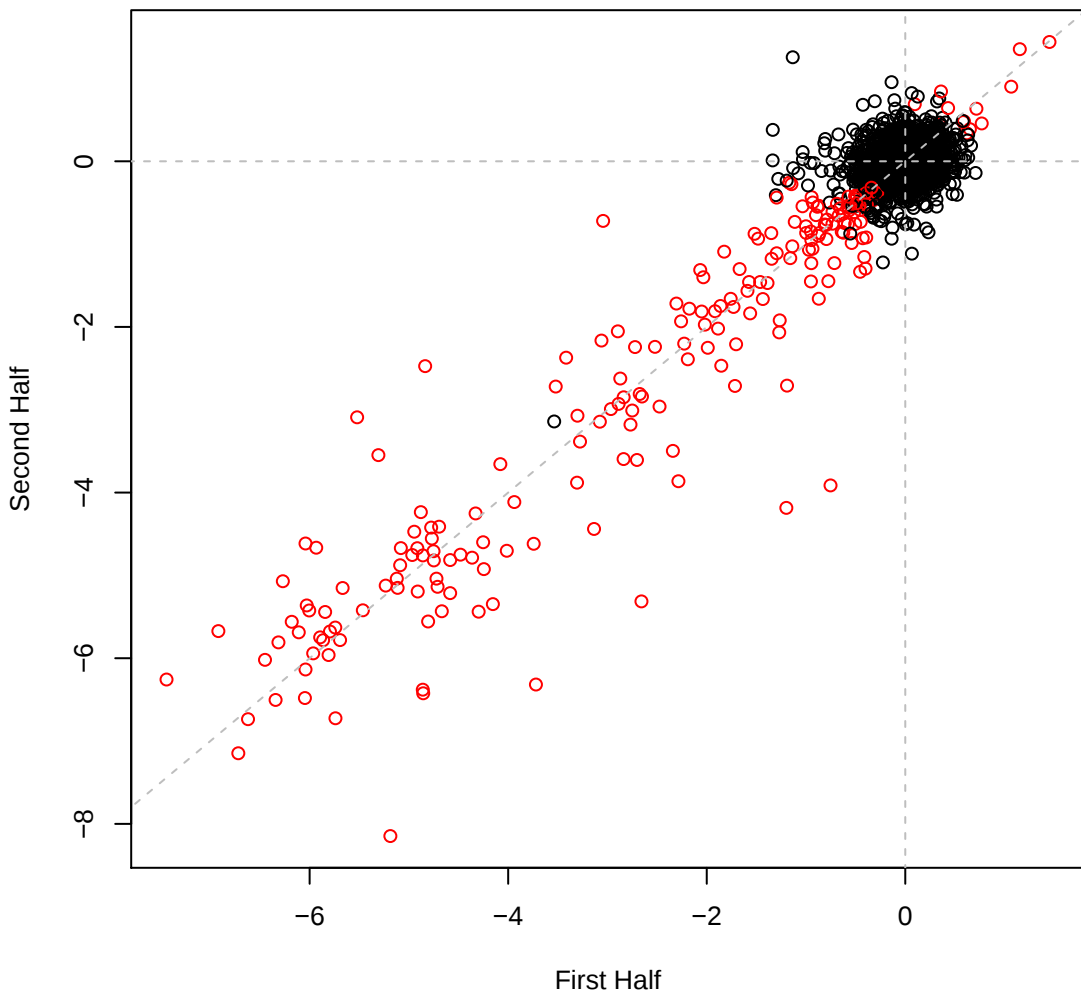
**Keio set1IT023 #23 (gMed=171 rho12=0.333)**  
**D-Gluconic Acid (C)**



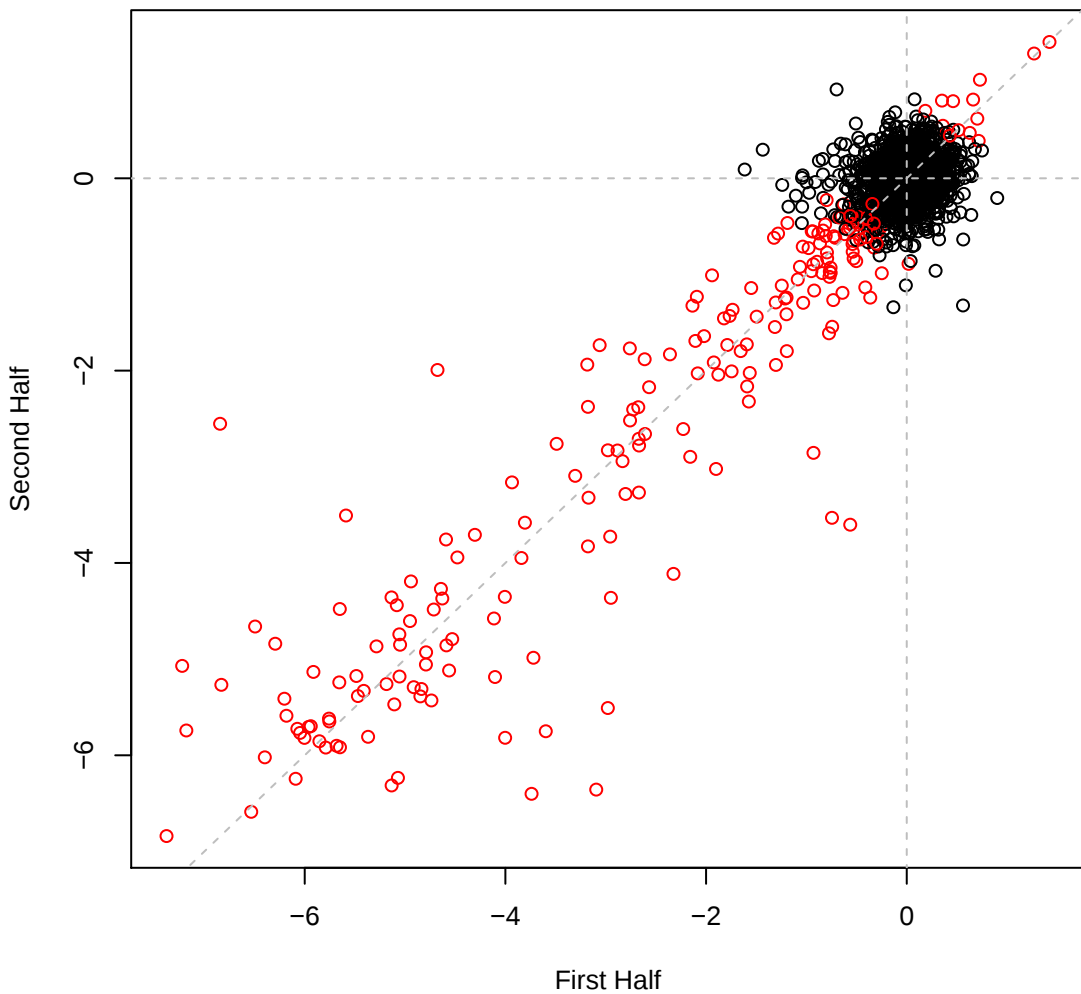
**Keio set1IT024 #24 (gMed=187 rho12=0.316)**  
**D-Gluconic Acid (C)**



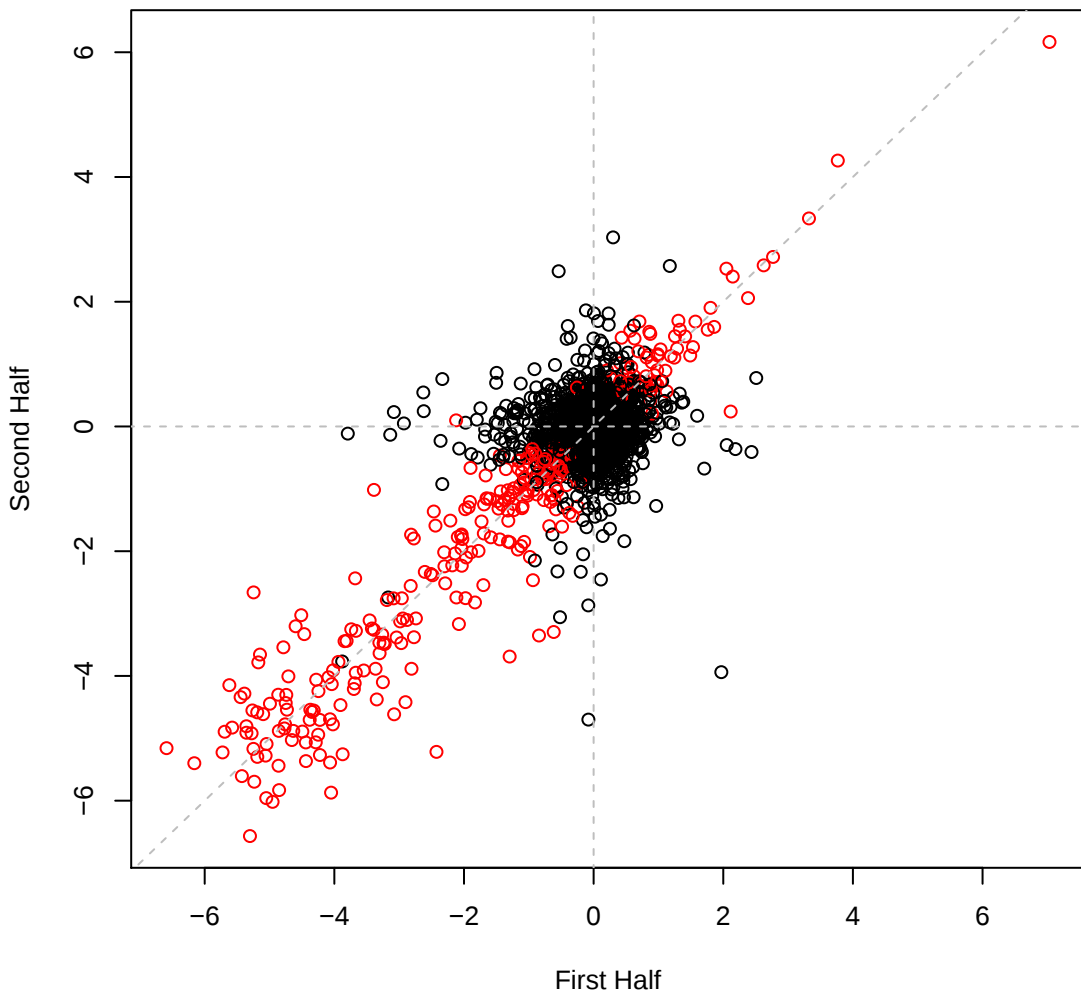
**Keio set1IT025 #25 (gMed=198 rho12=0.357)**  
**D-Glucose-6-Phosphate (C)**



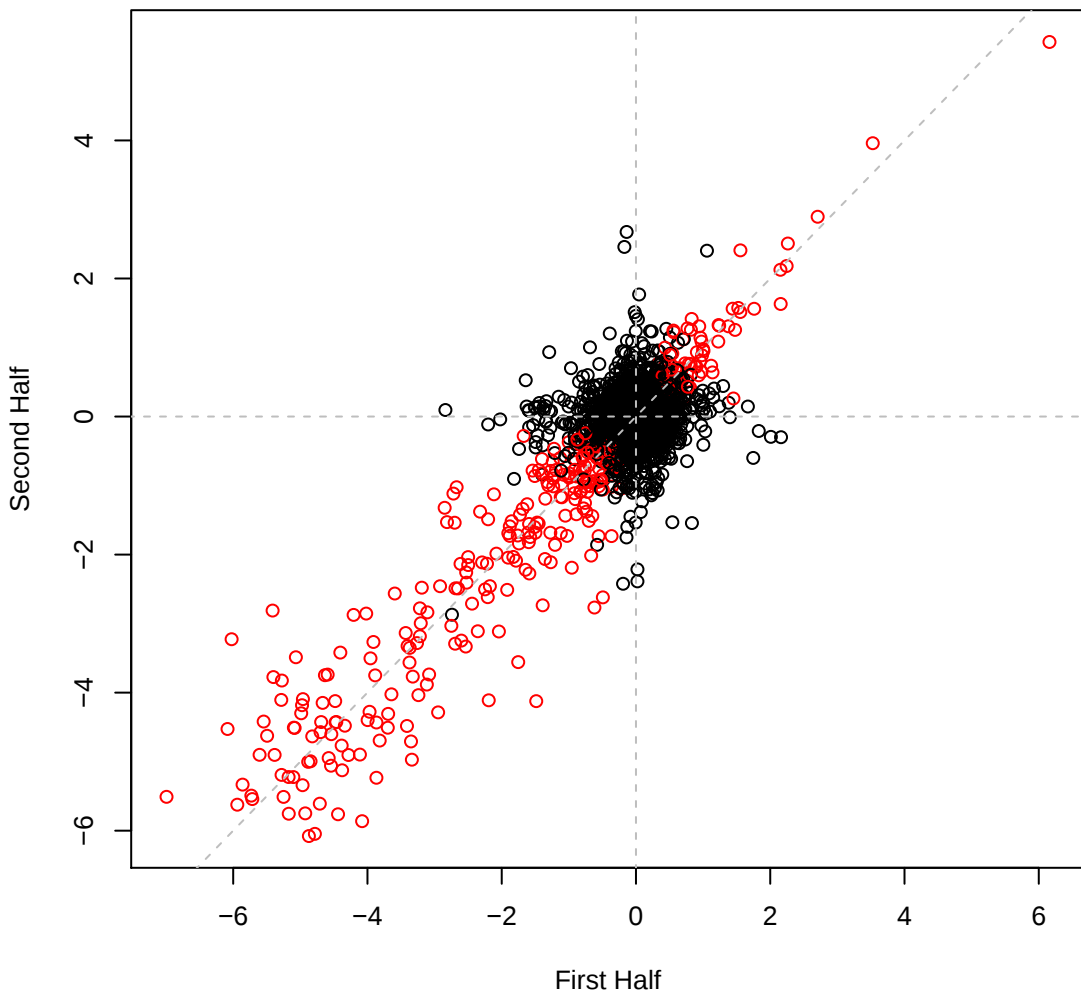
**Keio set1IT026 #26 (gMed=185 rho12=0.335)**  
**D-Glucose-6-Phosphate (C)**



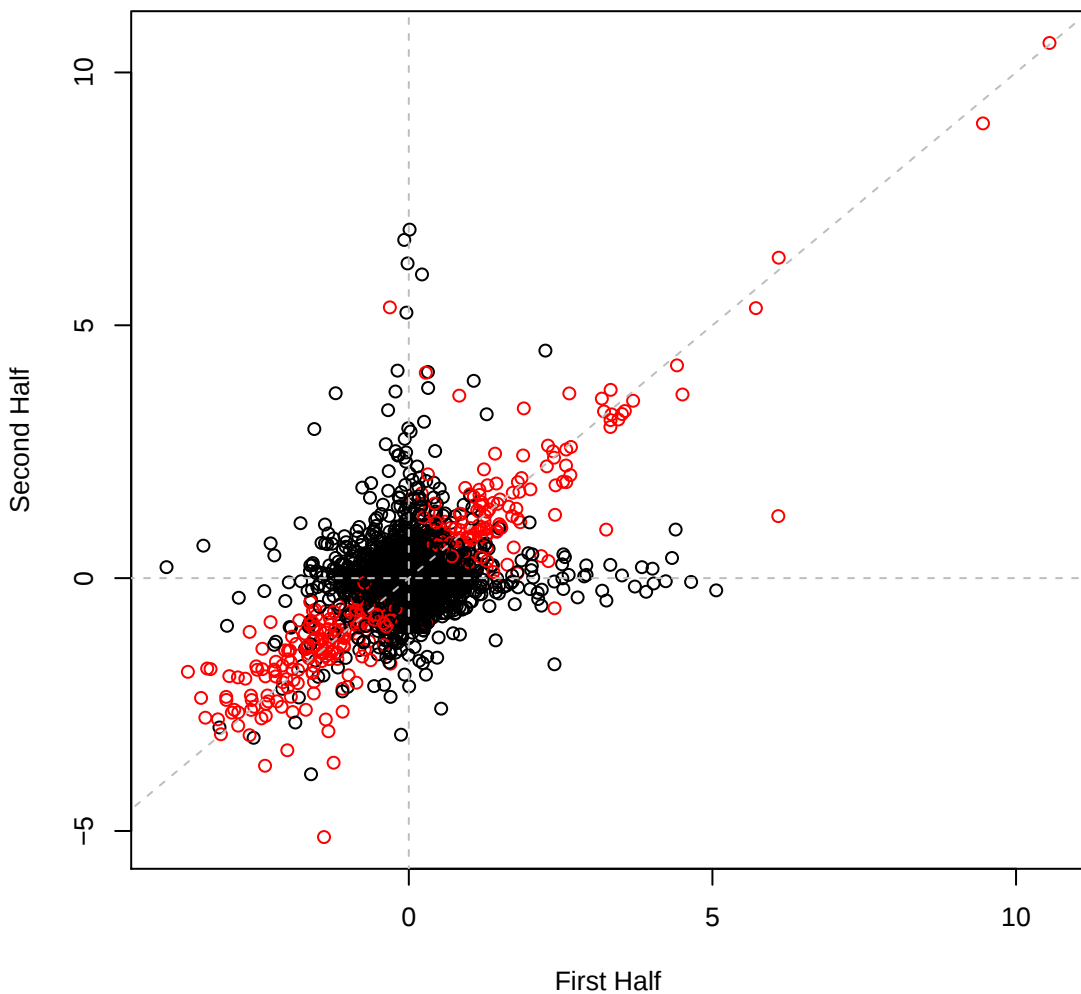
Keio set1IT027 #27 (gMed=170 rho12=0.399)  
acetate (C)



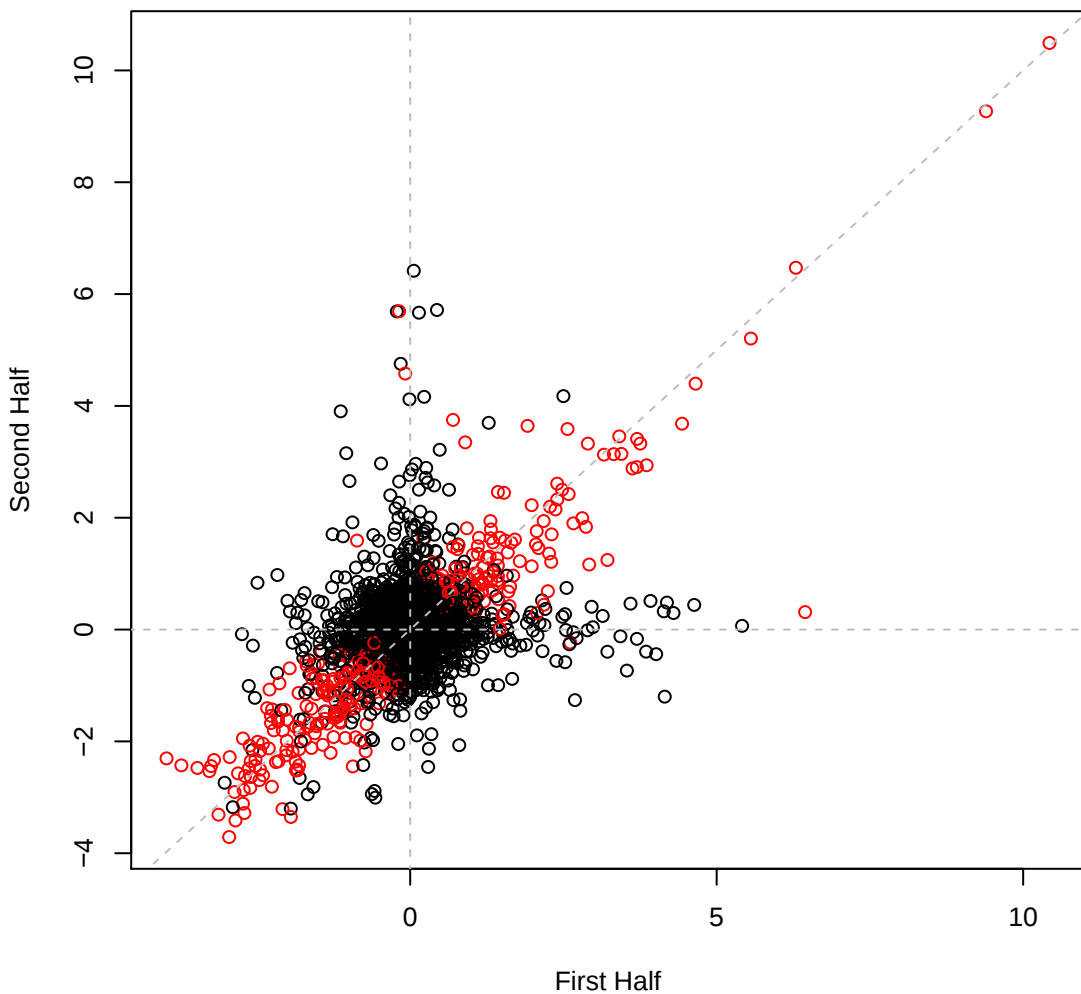
**Keio set1IT028 #28 (gMed=167 rho12=0.404)**  
**acetate (C)**



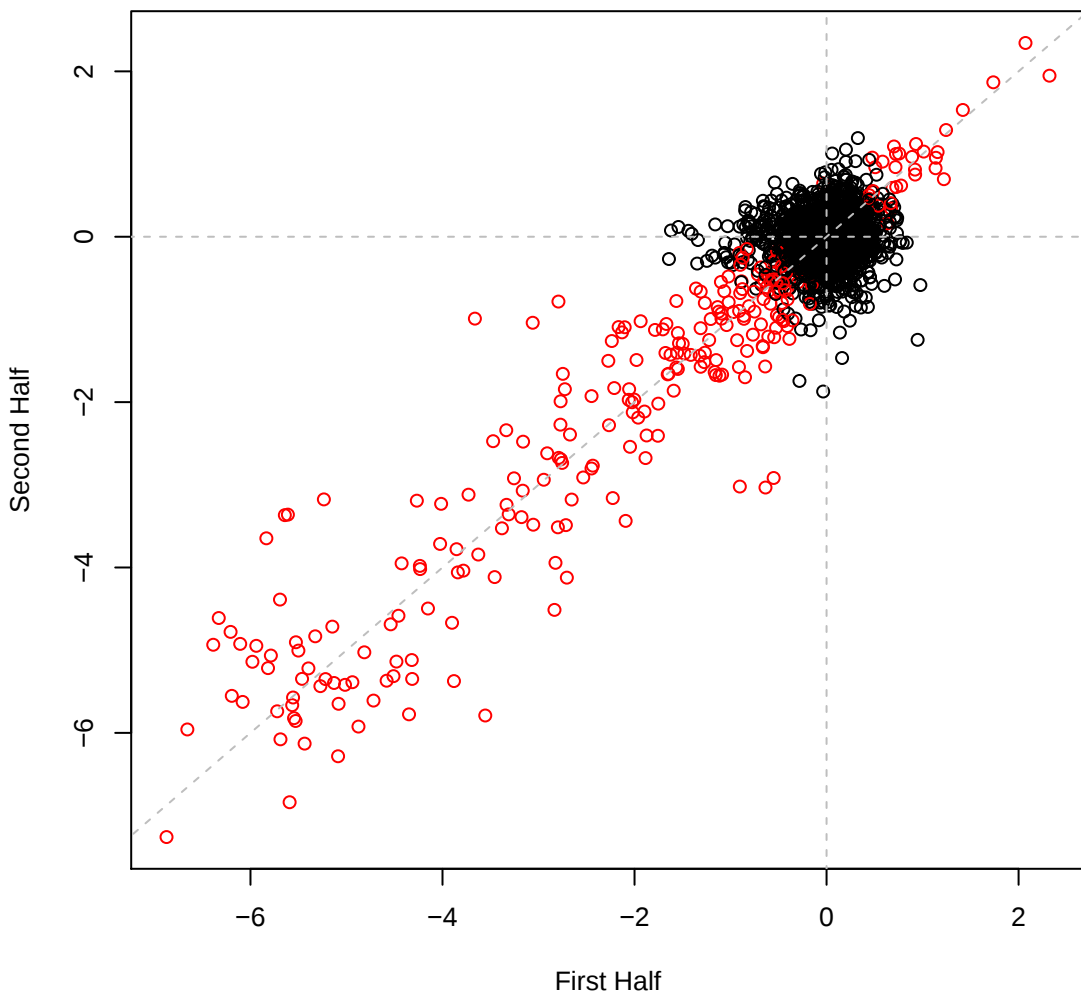
Keio set1IT029 #29 (gMed=48 rho12=0.368)  
Fumarate (C)



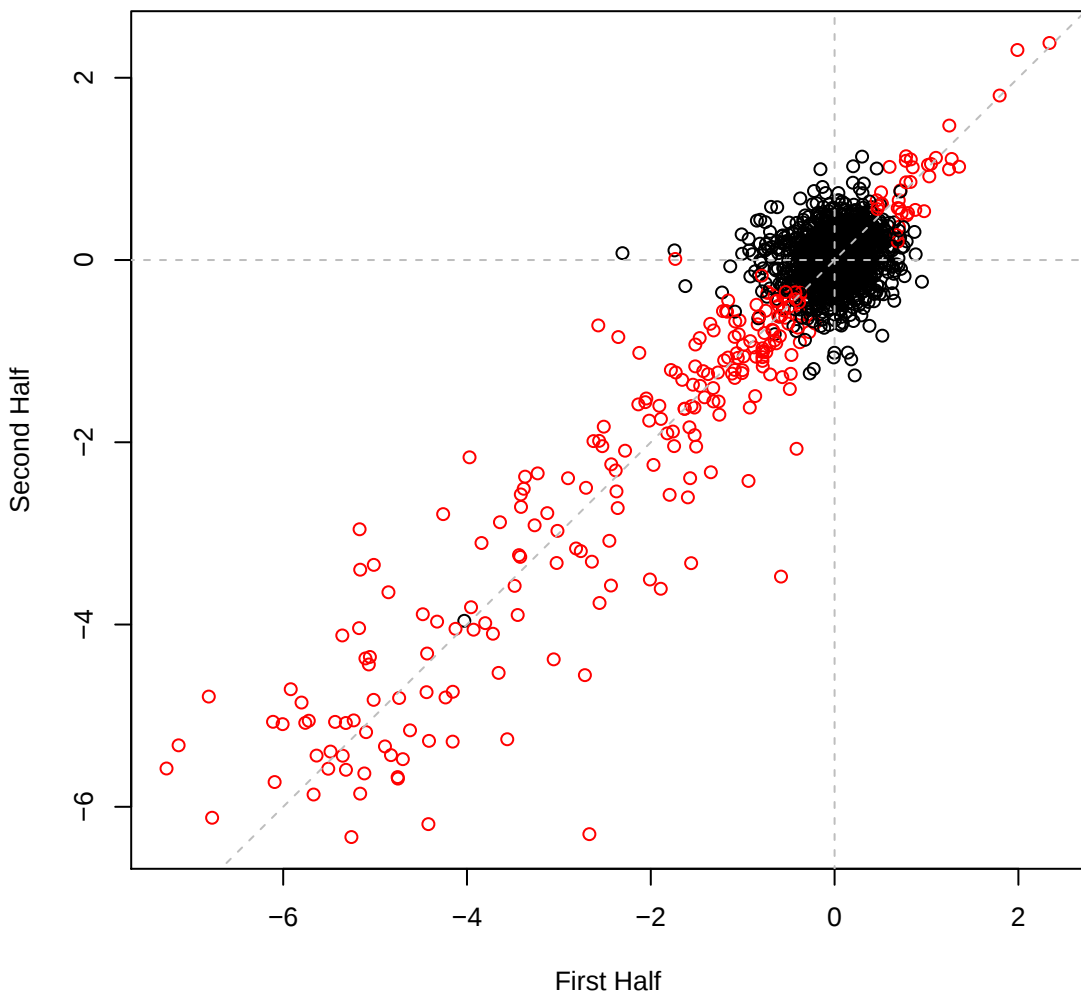
**Keio set1IT030 #30 (gMed=47 rho12=0.359)**  
**Fumarate (C)**



**Keio set1IT031 #31 (gMed=185 rho12=0.349)**  
**D-Lactate (C)**

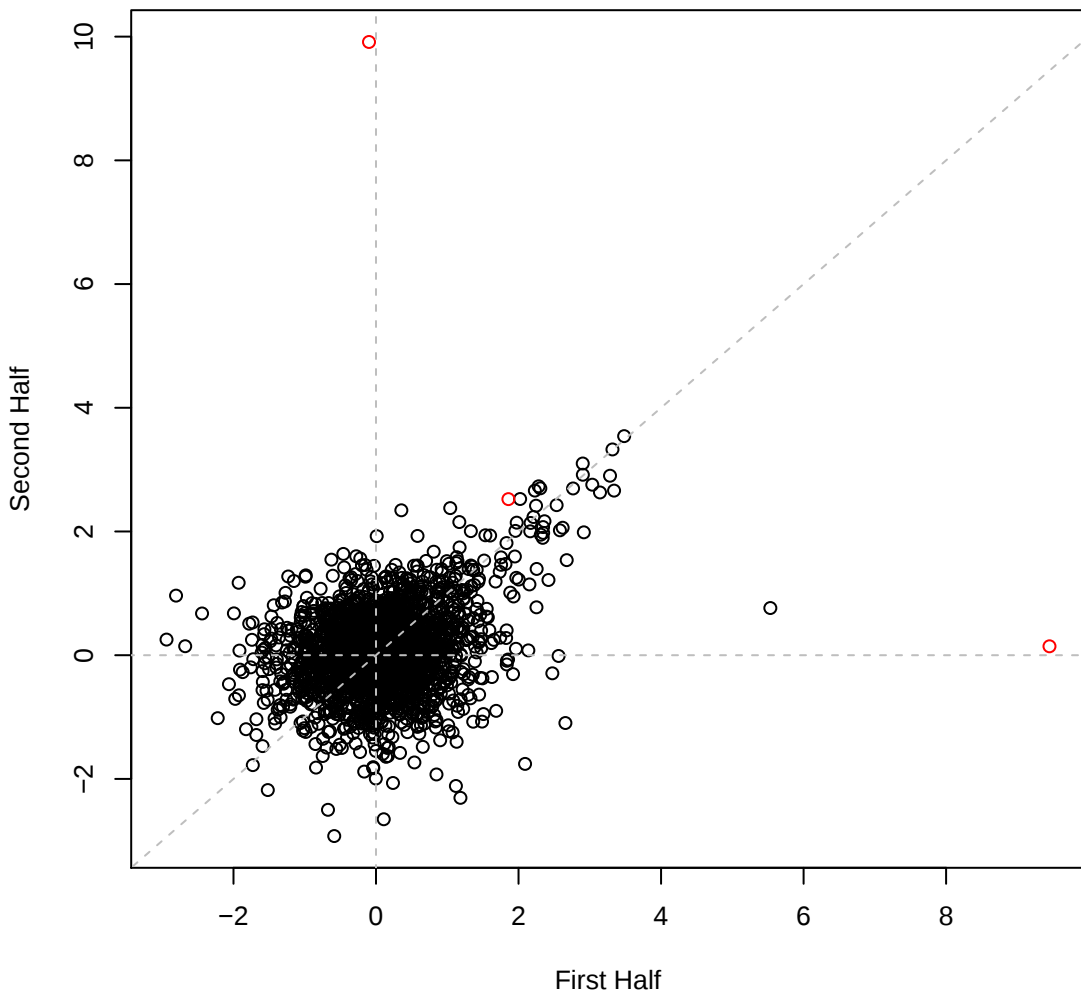


**Keio set1IT032 #32 (gMed=176 rho12=0.385)**  
**D-Lactate (C)**



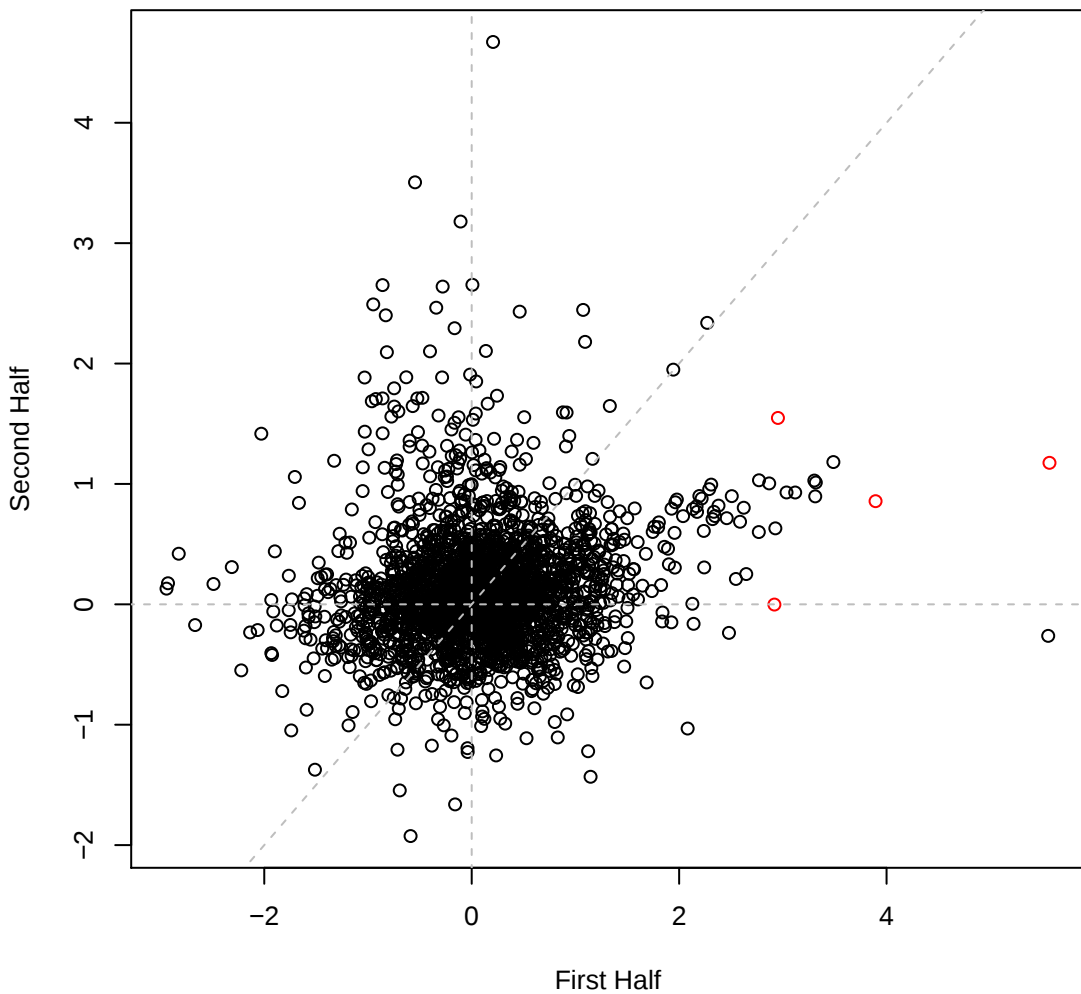
Keio set1IT033 #33 (gMed=0 rho12=0.174)

L-Lactate (C)

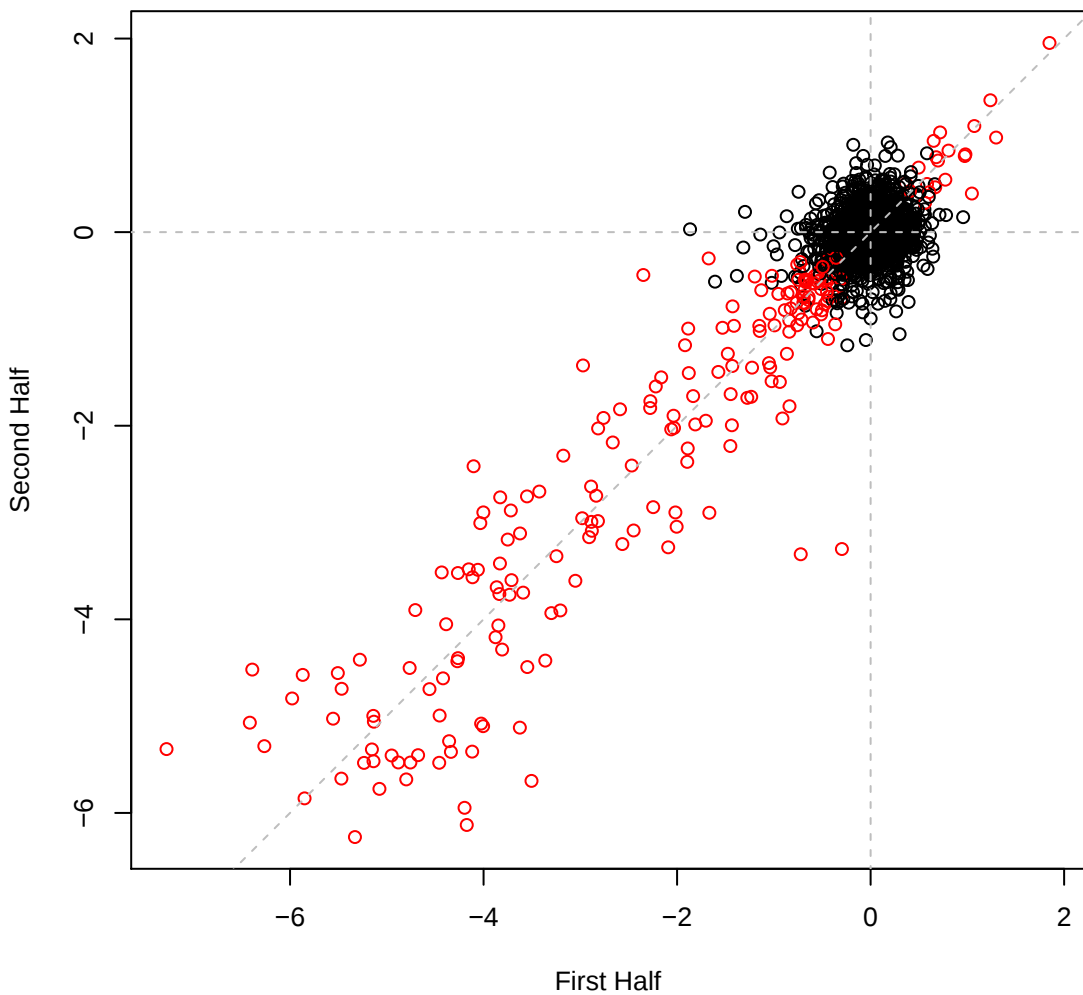


Keio set1IT034 #34 (gMed=0 rho12=0.136)

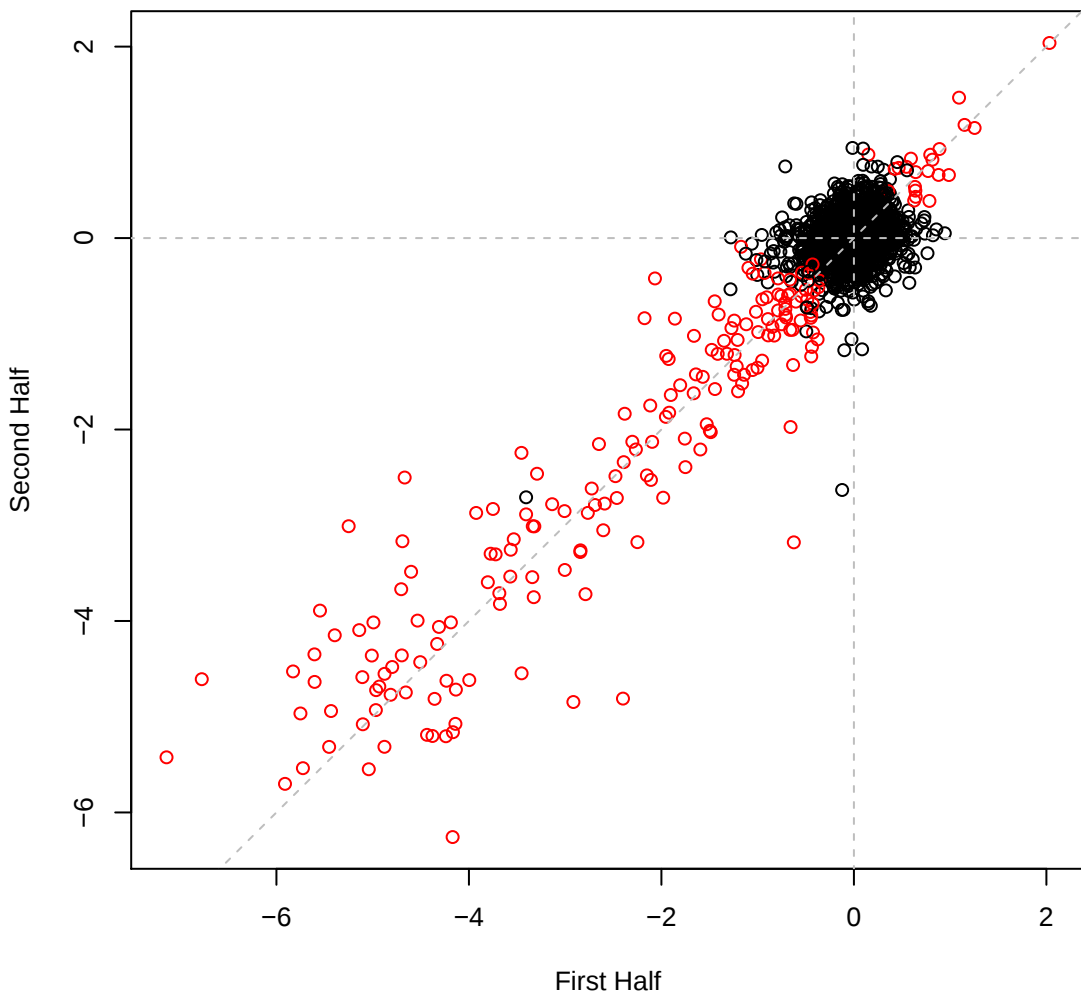
L-Lactate (C)



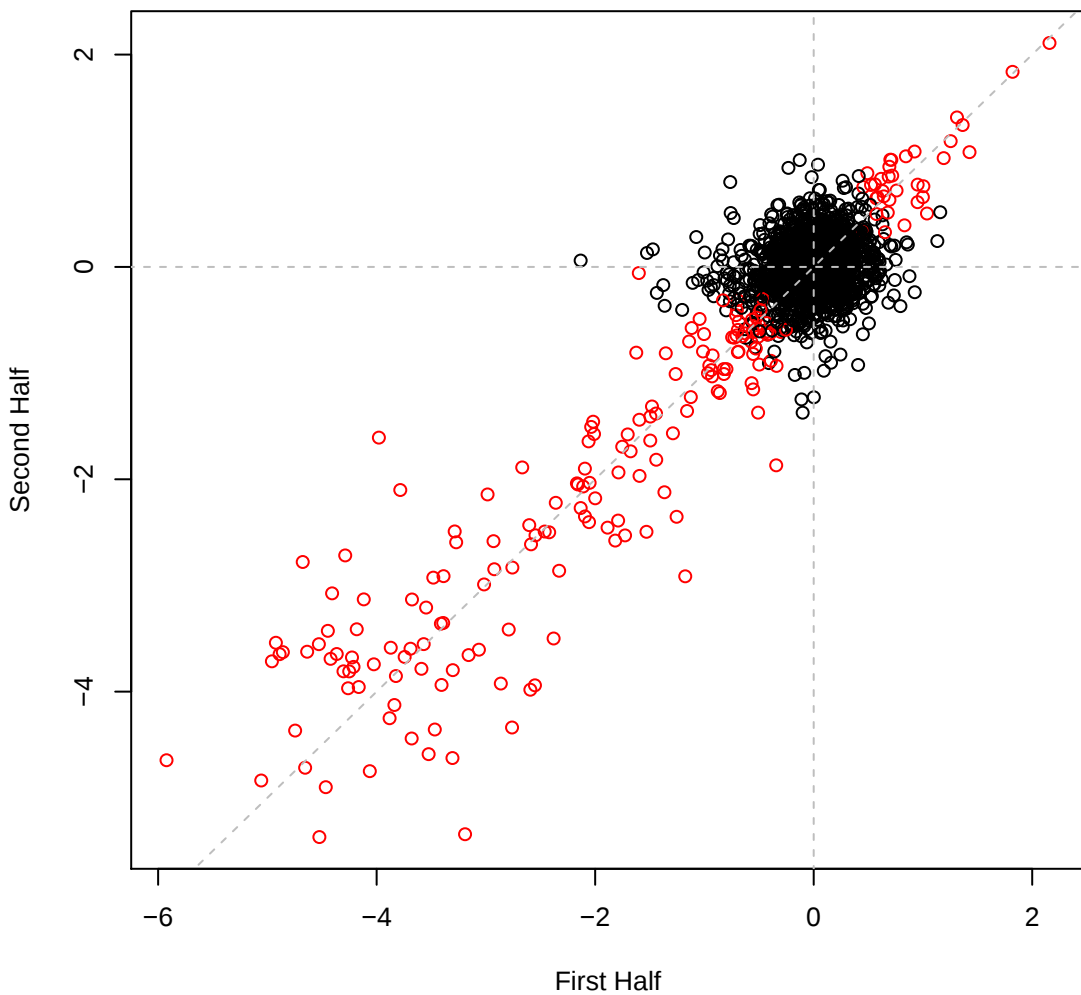
Keio set1IT035 #35 (gMed=182 rho12=0.344)  
D,L-Lactate (C)



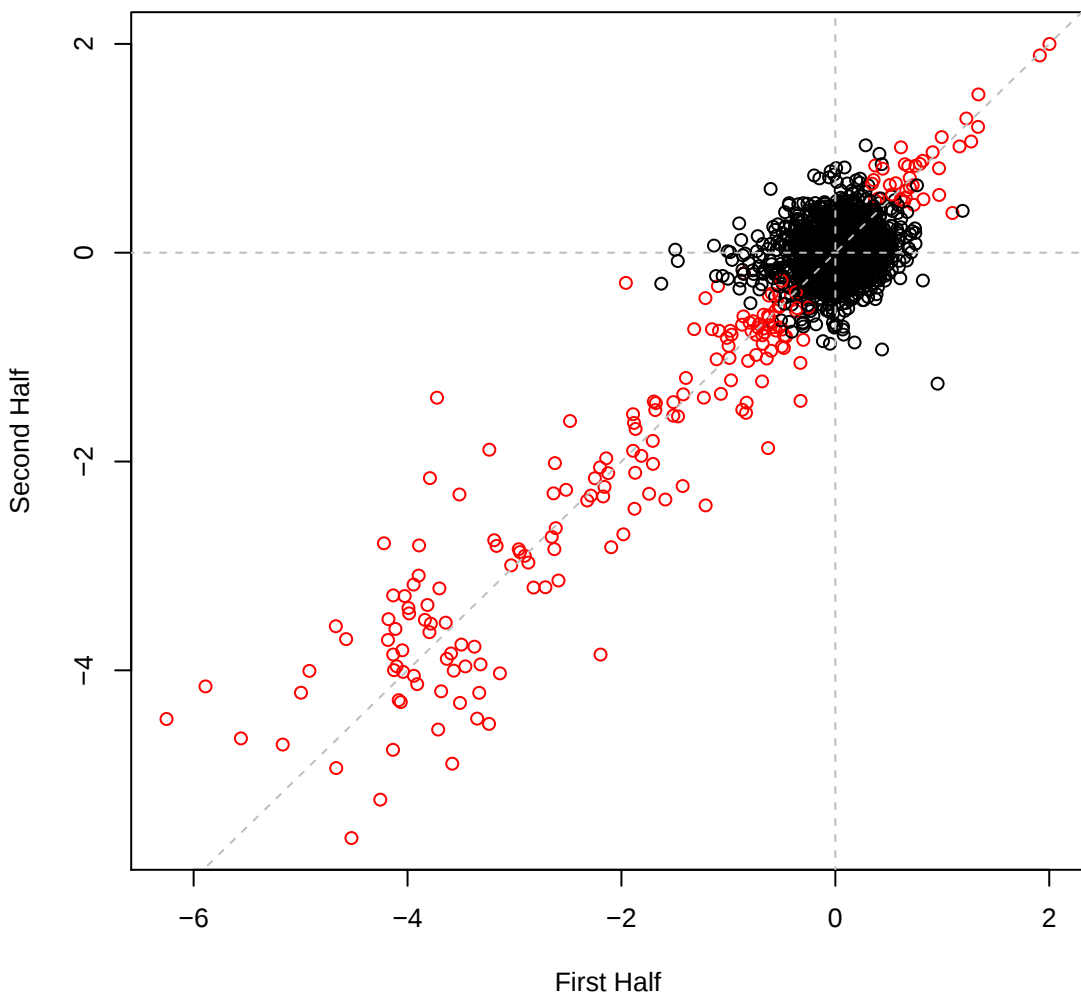
**Keio set1IT036 #36 (gMed=183 rho12=0.342)**  
**D,L-Lactate (C)**



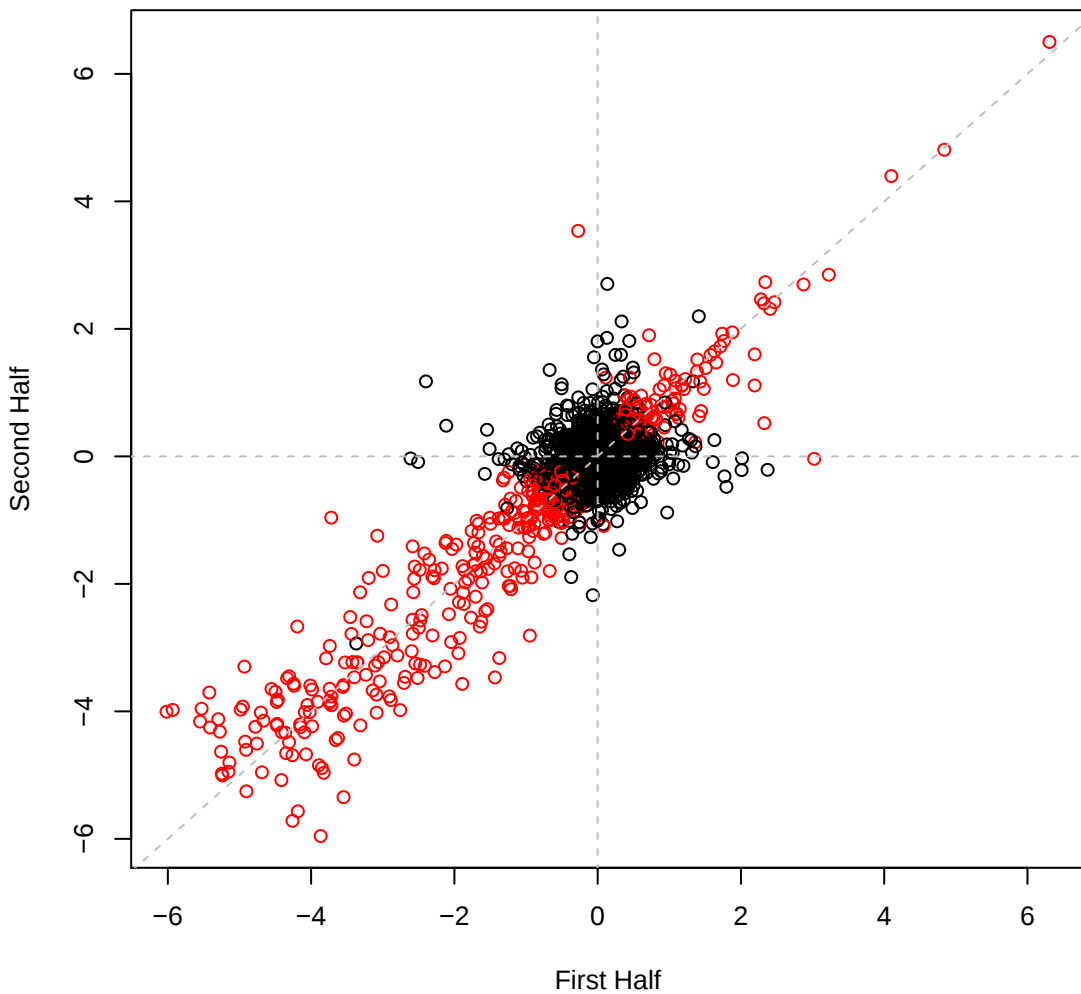
**Keio set1IT037 #37 (gMed=185 rho12=0.340)**  
**pyruvate (C)**



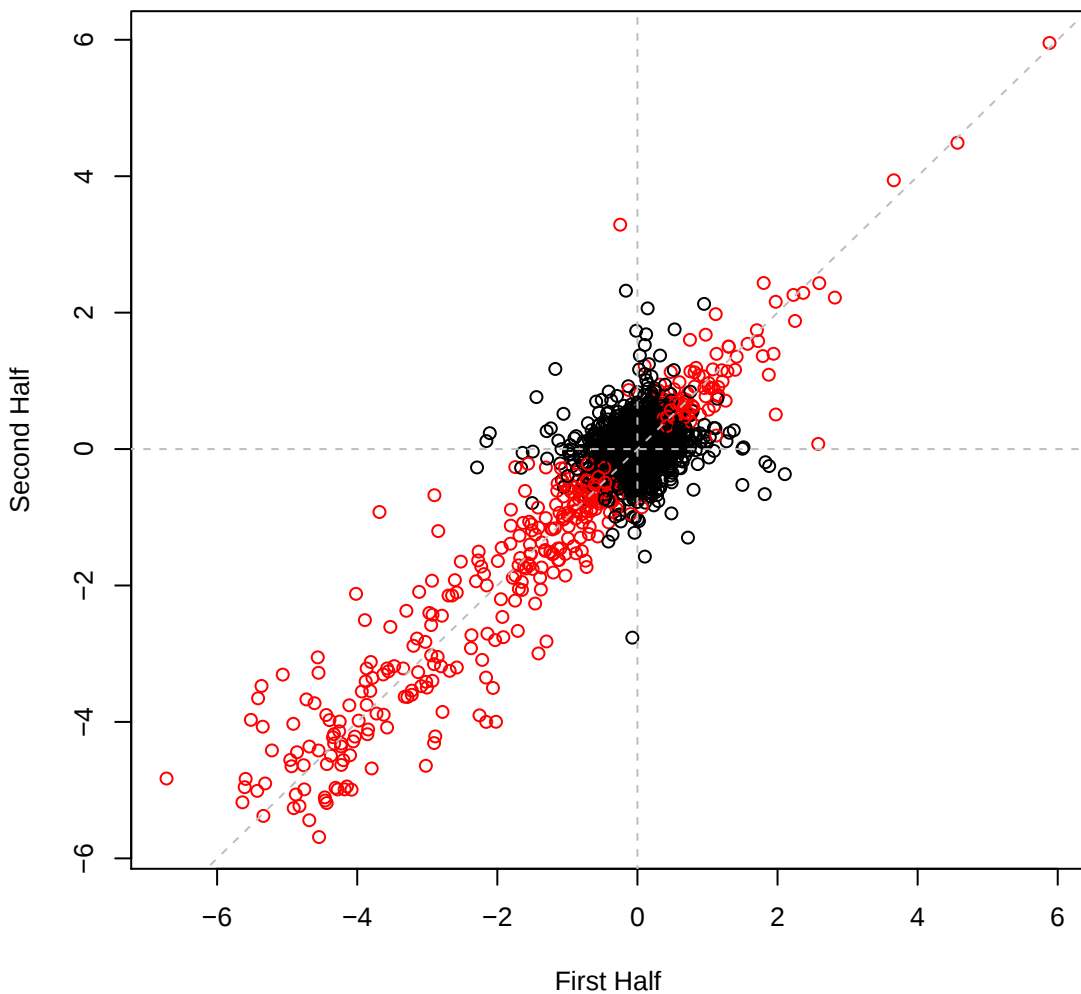
**Keio set1IT038 #38 (gMed=210 rho12=0.367)**  
**pyruvate (C)**



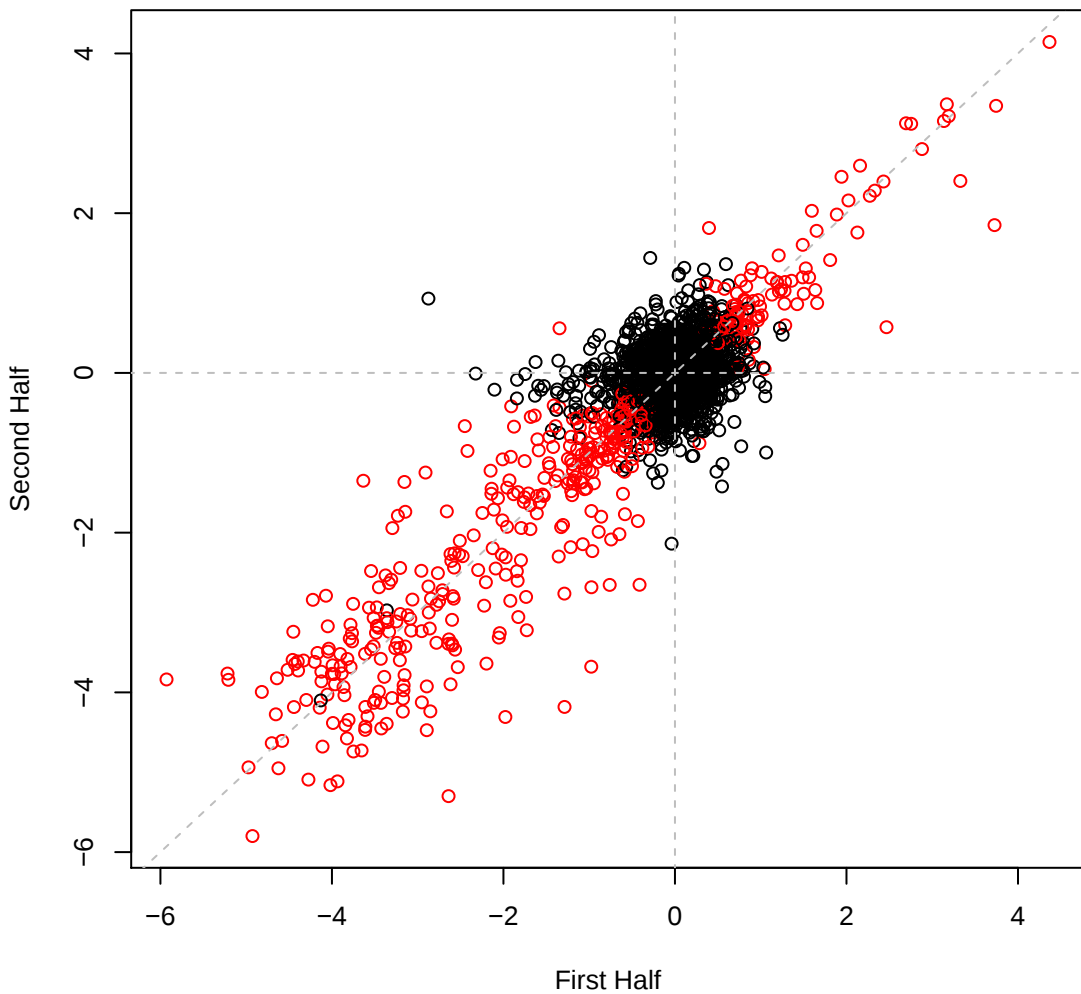
**Keio set1IT039 #39 (gMed=156 rho12=0.495)**  
**succinate (C)**



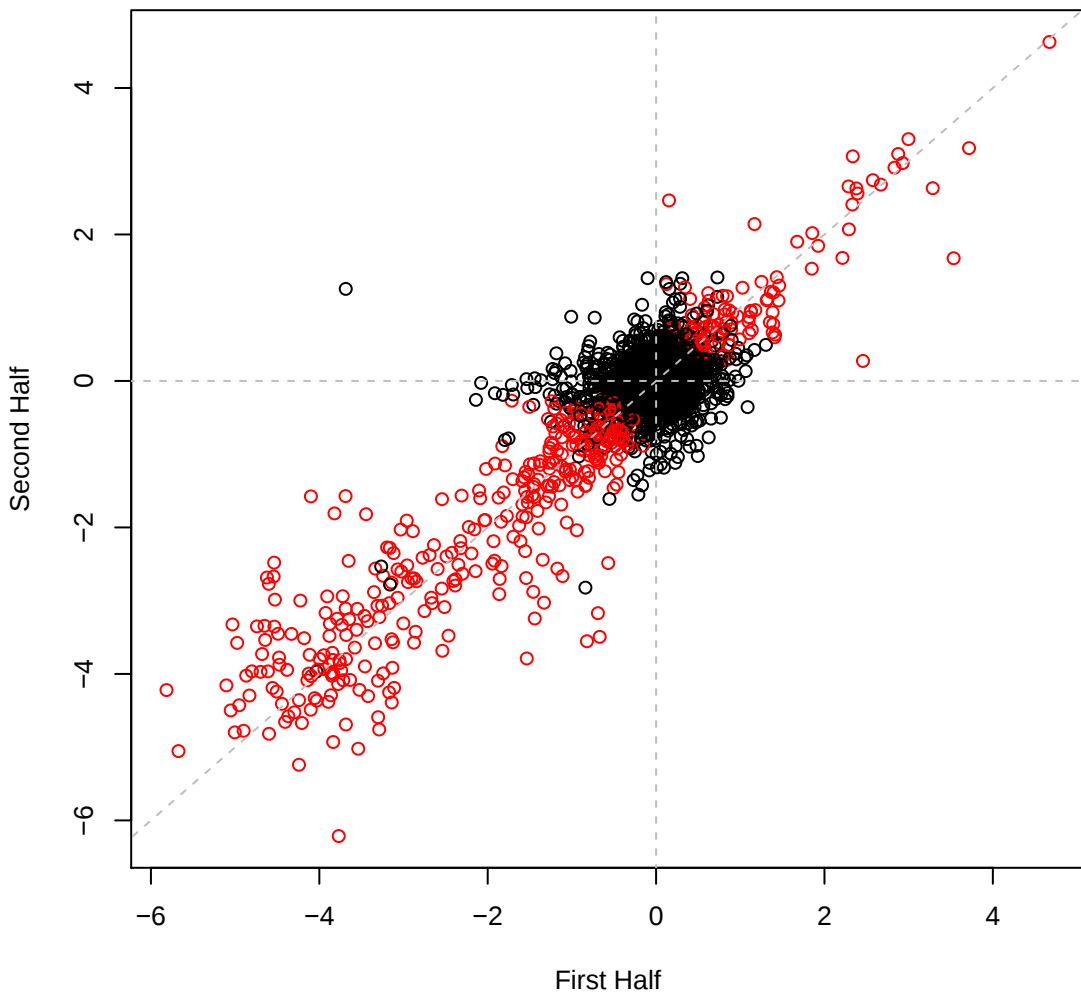
**Keio set1IT040 #40 (gMed=178 rho12=0.496)**  
**succinate (C)**



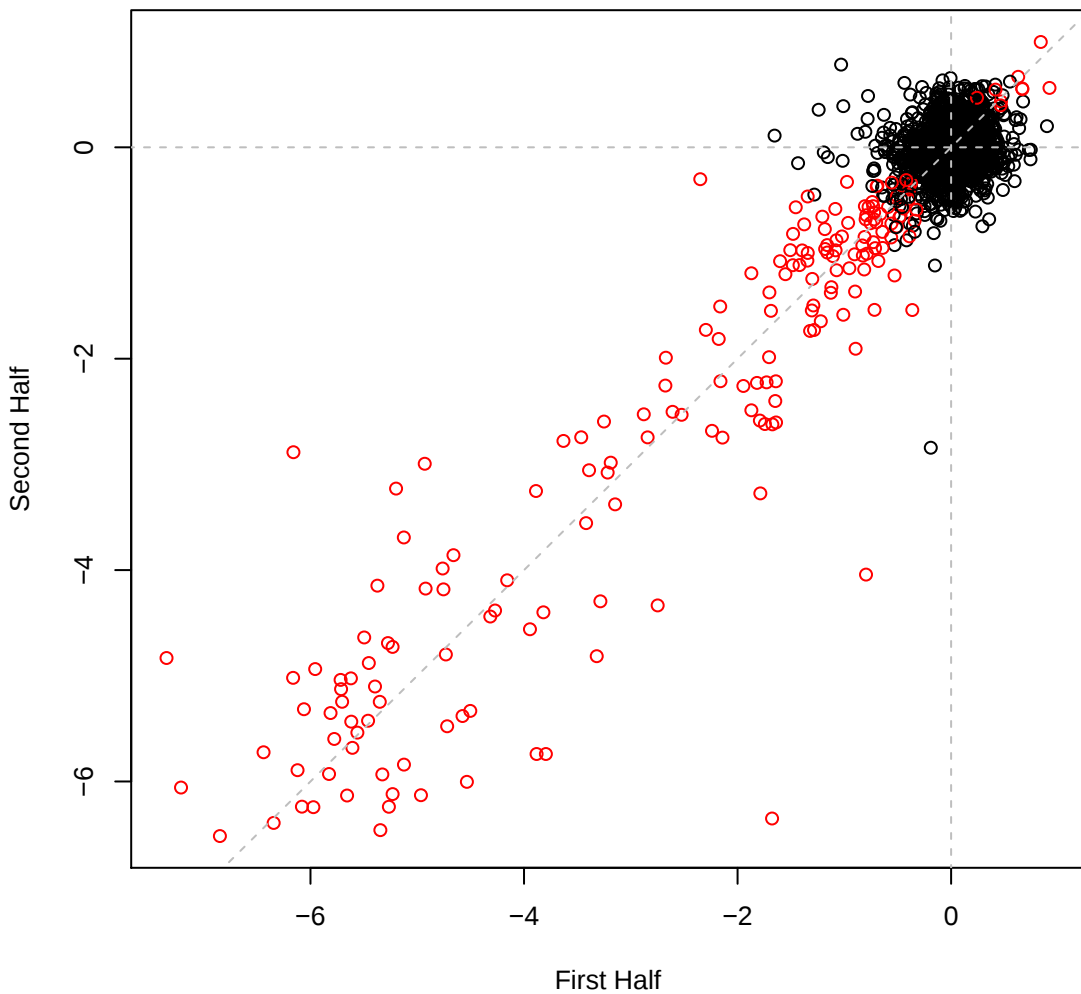
**Keio set1IT041 #41 (gMed=186 rho12=0.562)**  
**Glycolic Acid (C)**



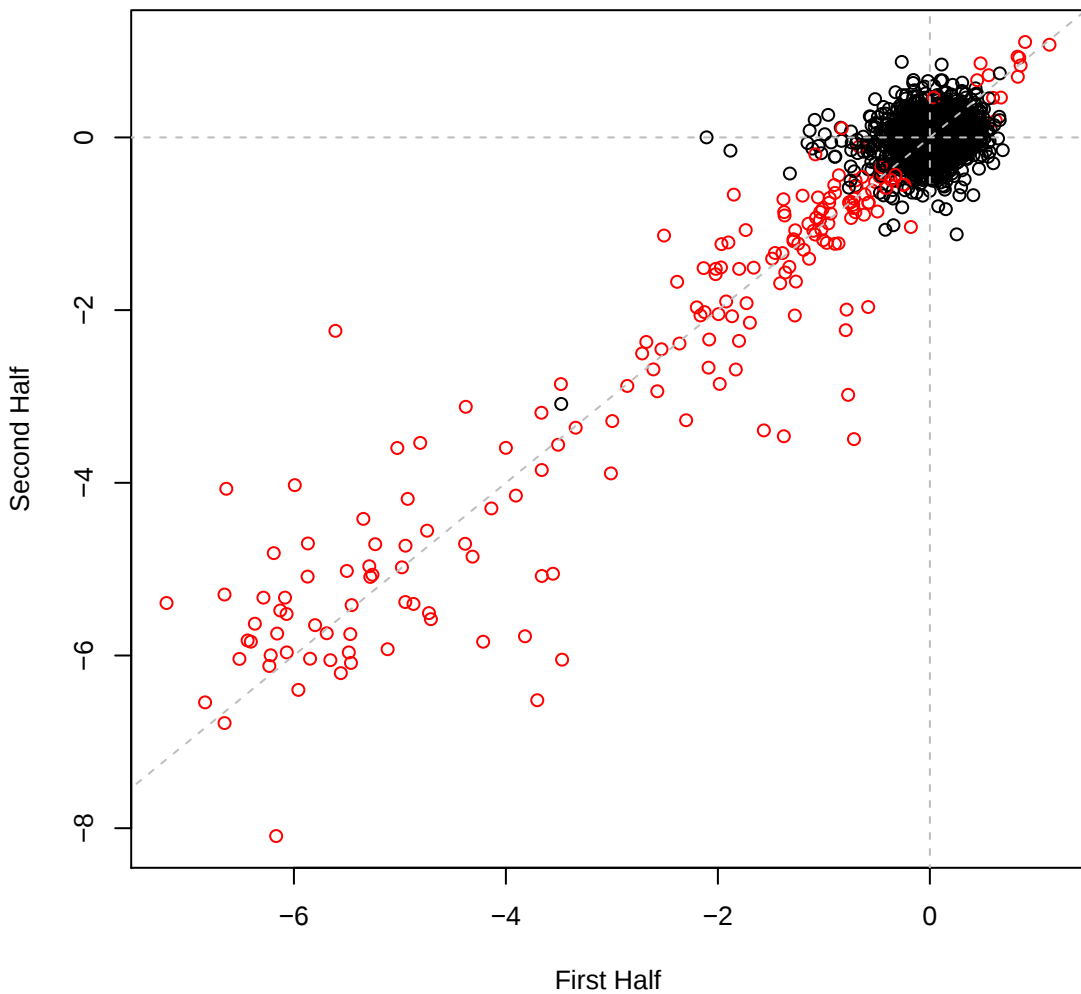
**Keio set1IT042 #42 (gMed=171 rho12=0.544)**  
**Glycolic Acid (C)**



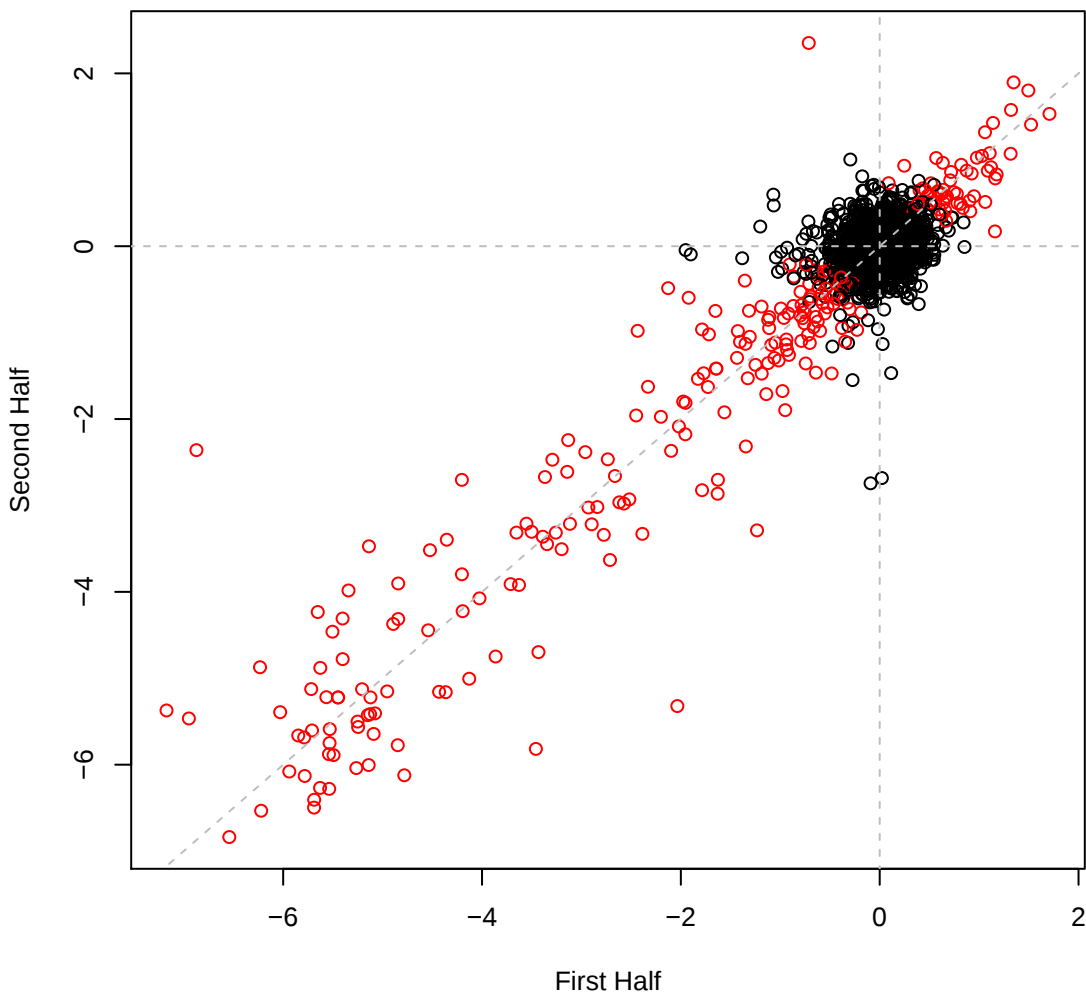
**Keio set1IT043 #43 (gMed=188 rho12=0.324)**  
**D-Mannitol (C)**



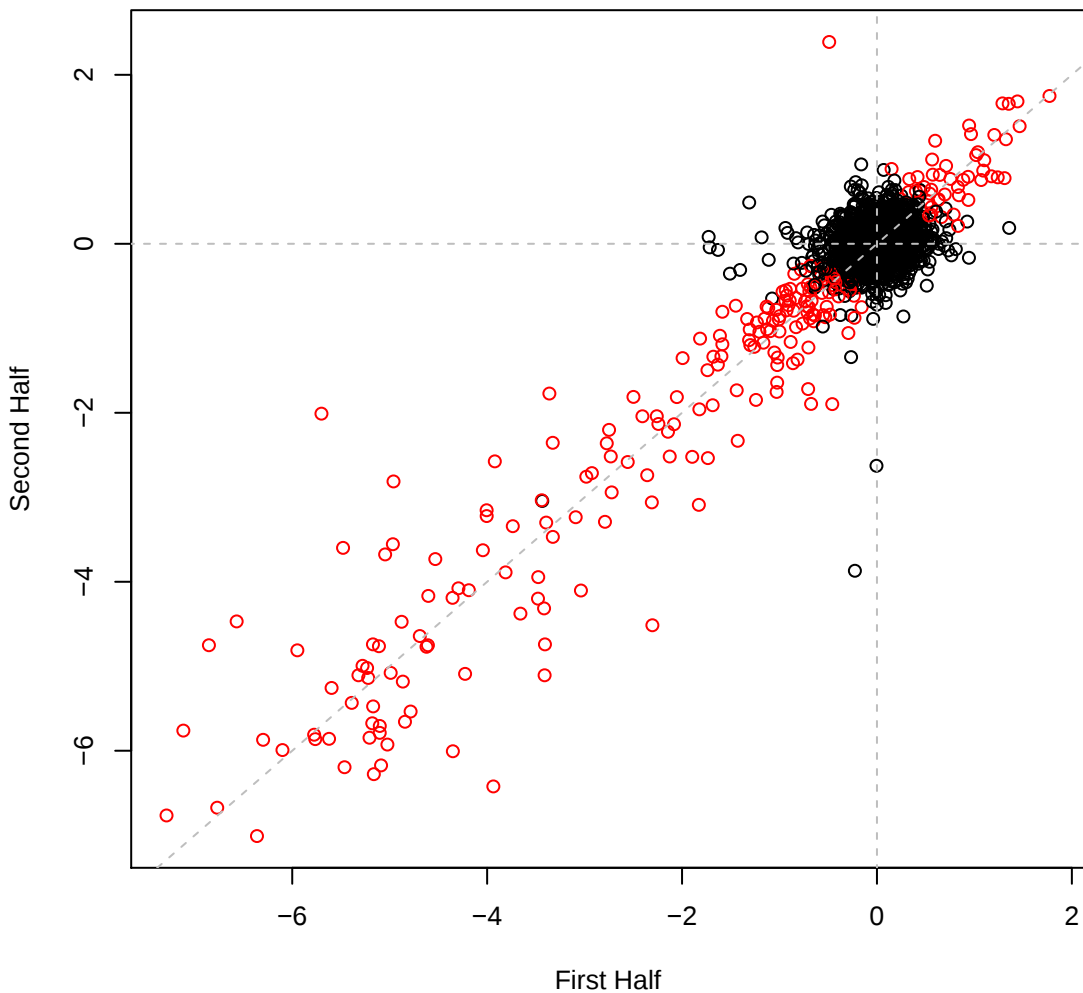
**Keio set1IT044 #44 (gMed=190 rho12=0.312)**  
**D-Mannitol (C)**



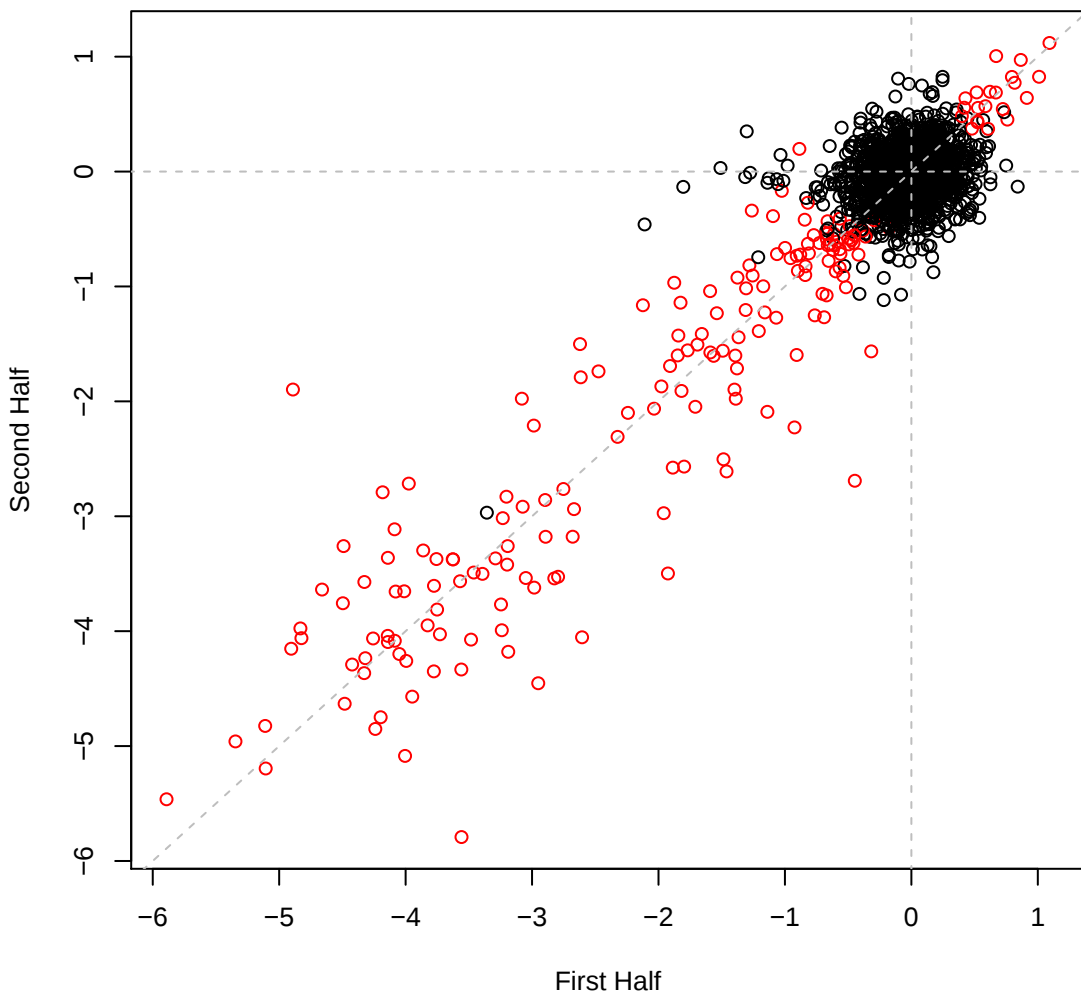
**Keio set1IT045 #45 (gMed=191 rho12=0.409)**  
**D-Galacturonic Acid (C)**



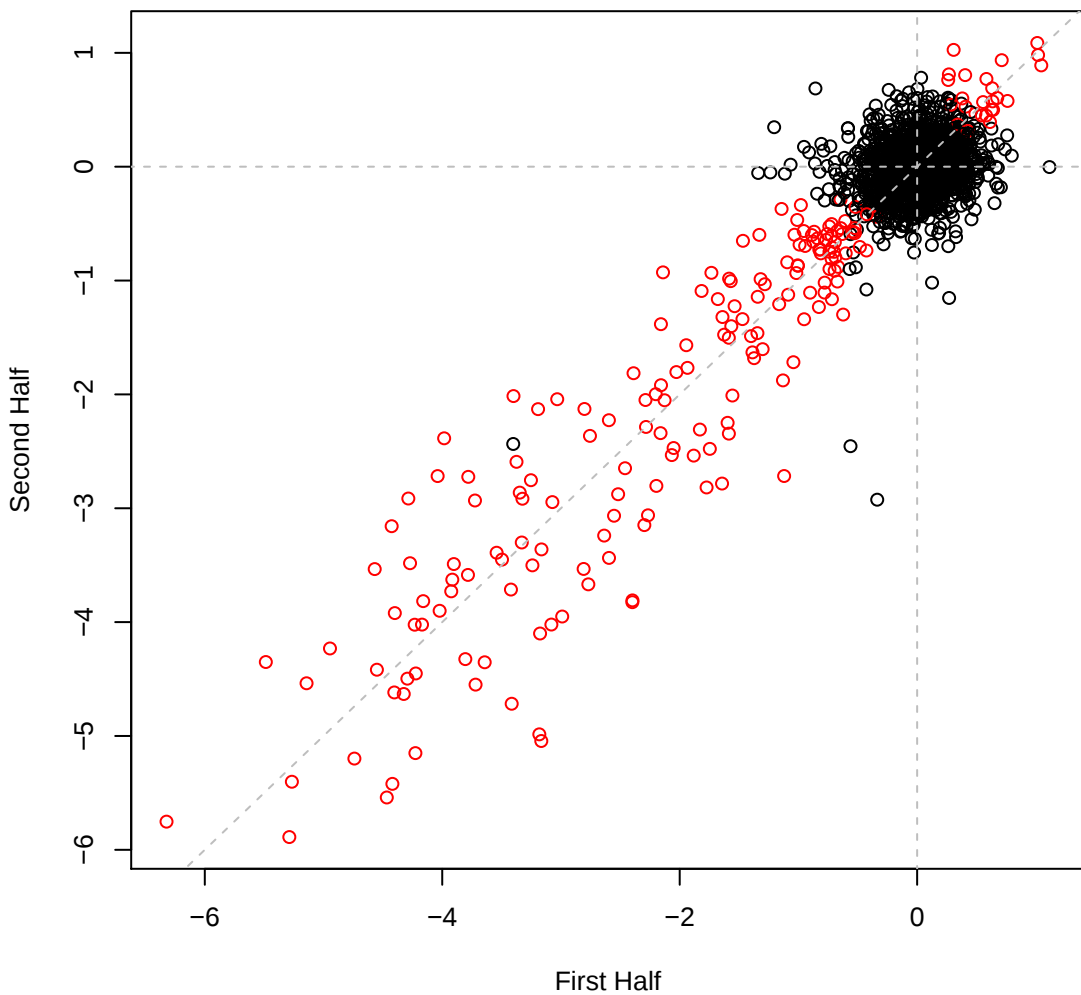
**Keio set1IT046 #46 (gMed=181 rho12=0.379)**  
**D-Galacturonic Acid (C)**



**Keio set1IT047 #47 (gMed=164 rho12=0.334)**  
**Glycerol (C)**

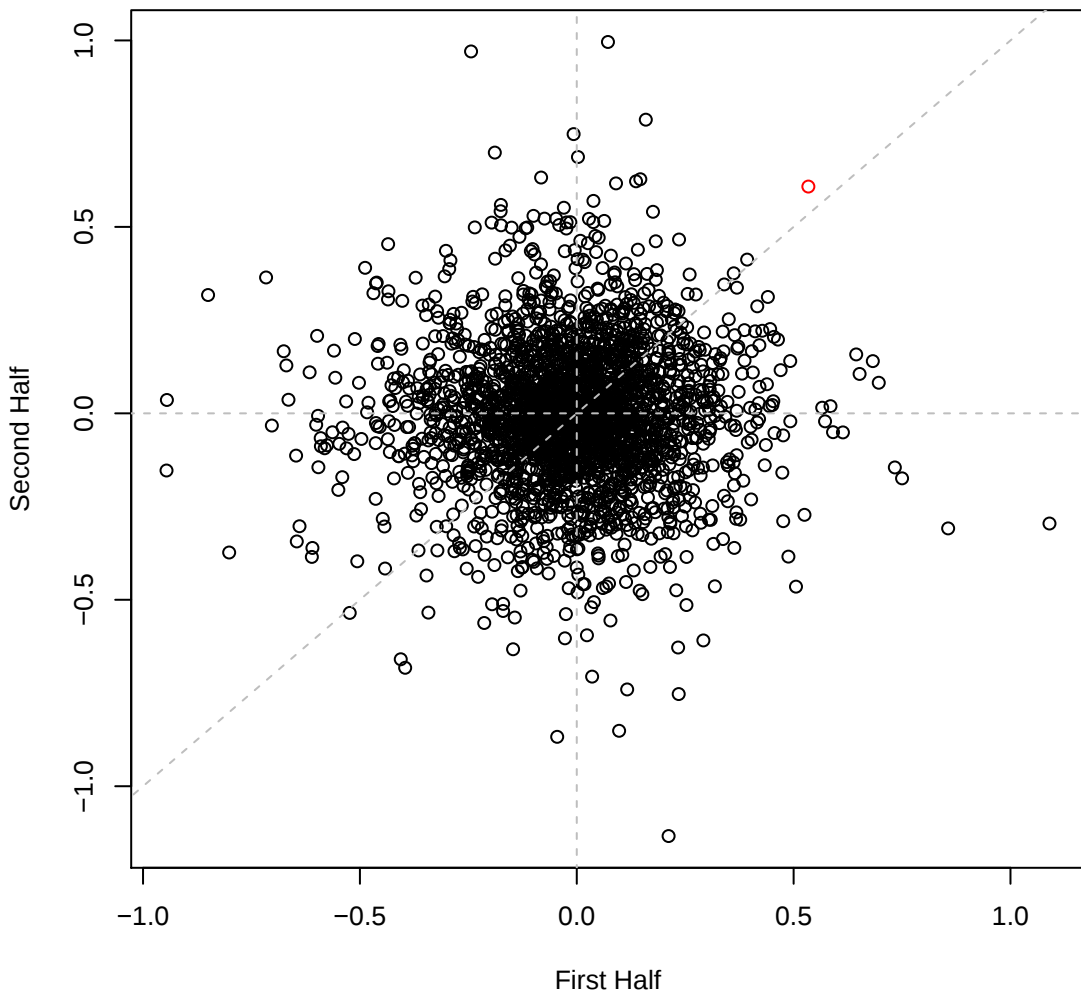


**Keio set1IT048 #48 (gMed=183 rho12=0.325)**  
**Glycerol (C)**



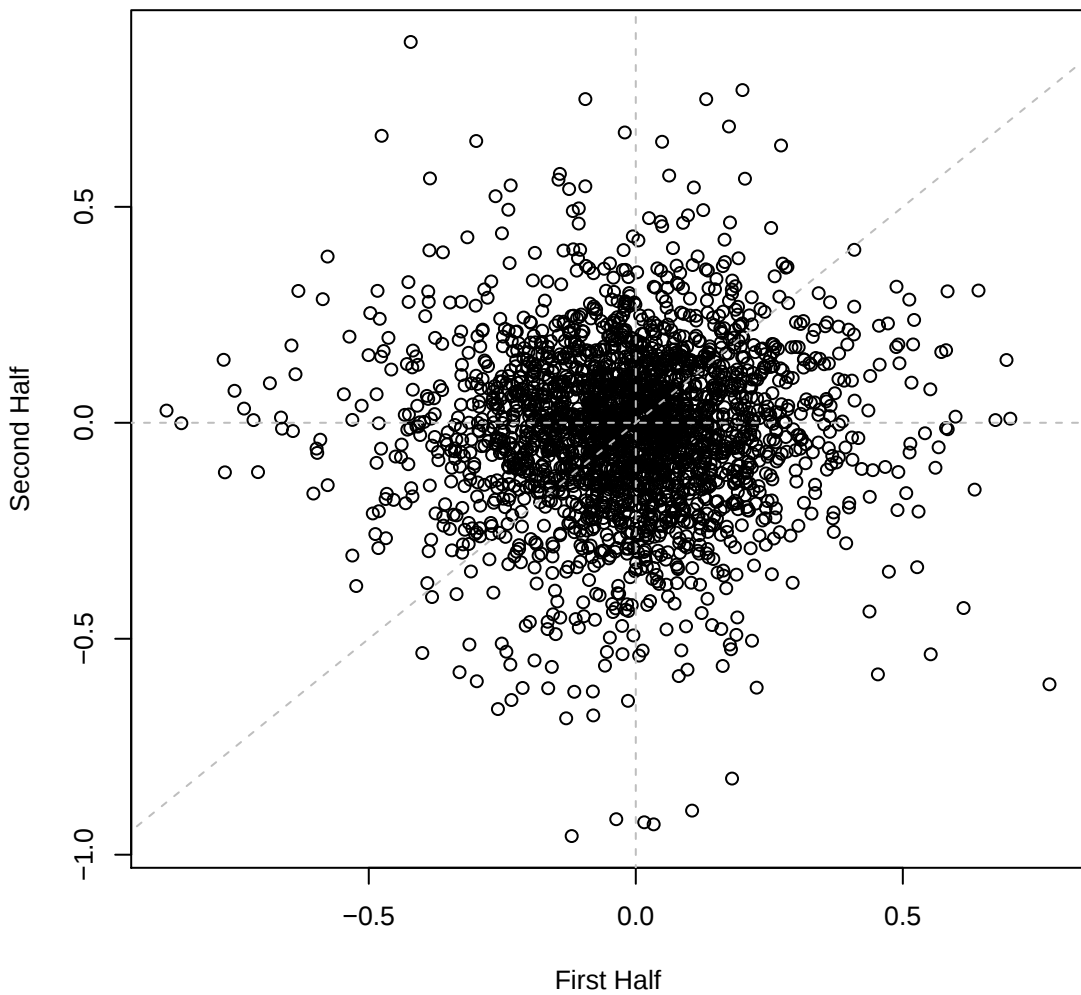
Keio set1IT049 #49 (gMed=177 rho12=0.016)

Time0

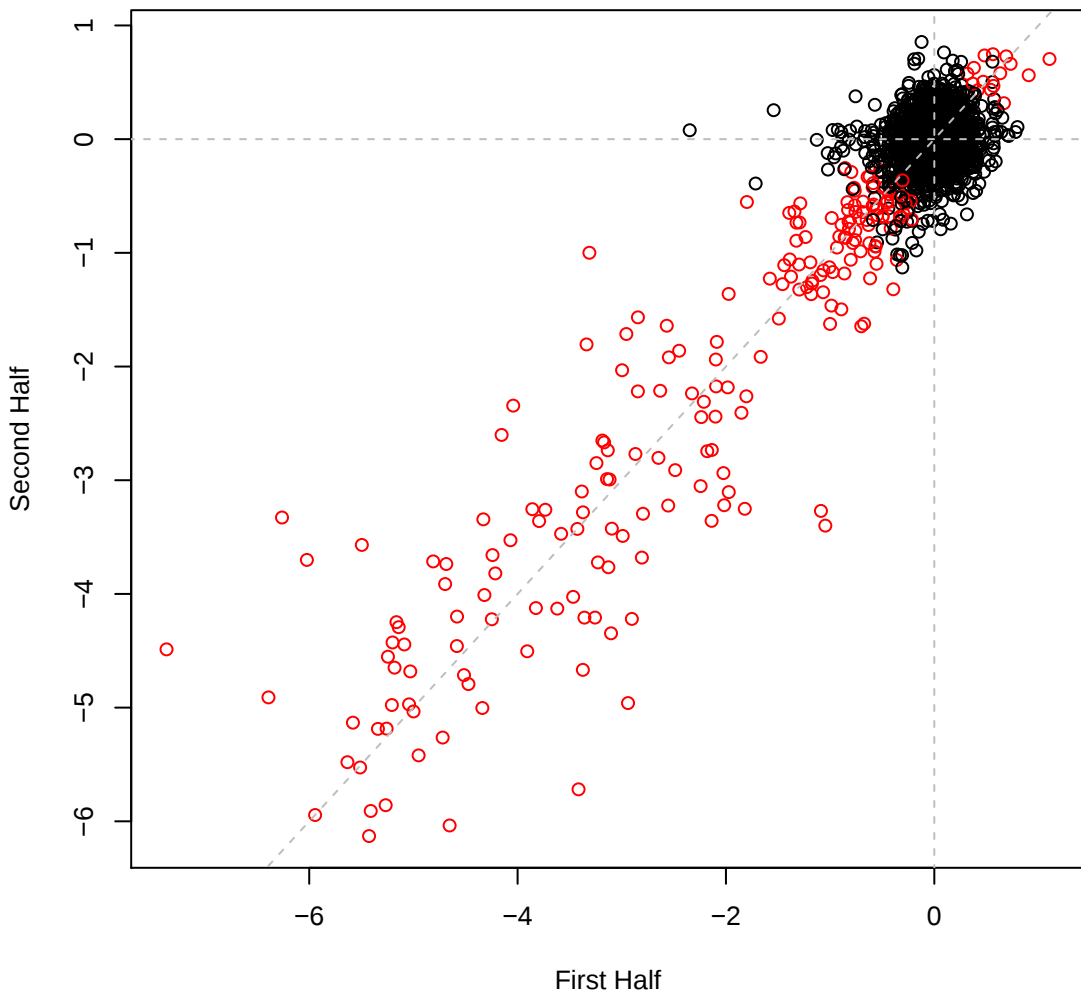


Keio set1IT050 #50 (gMed=195 rho12=0.037)

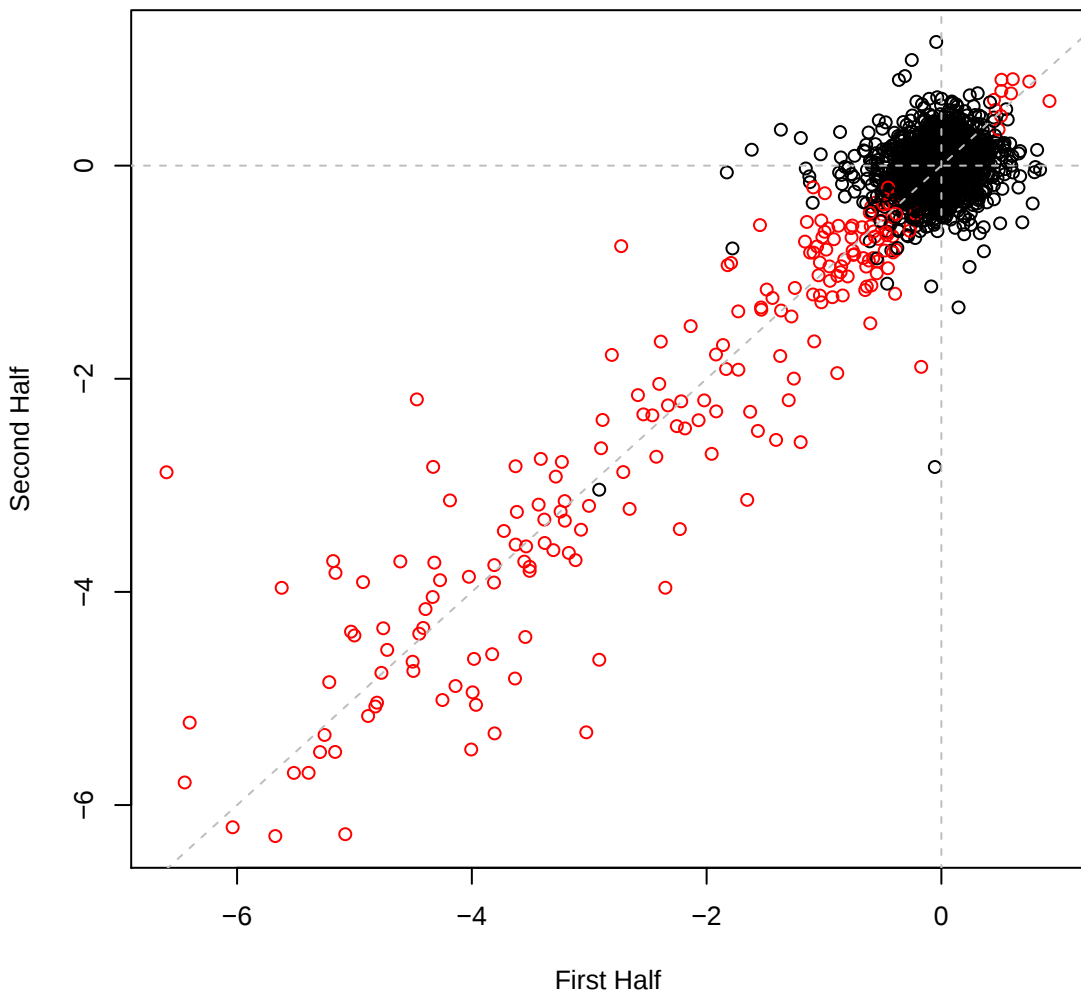
Time0



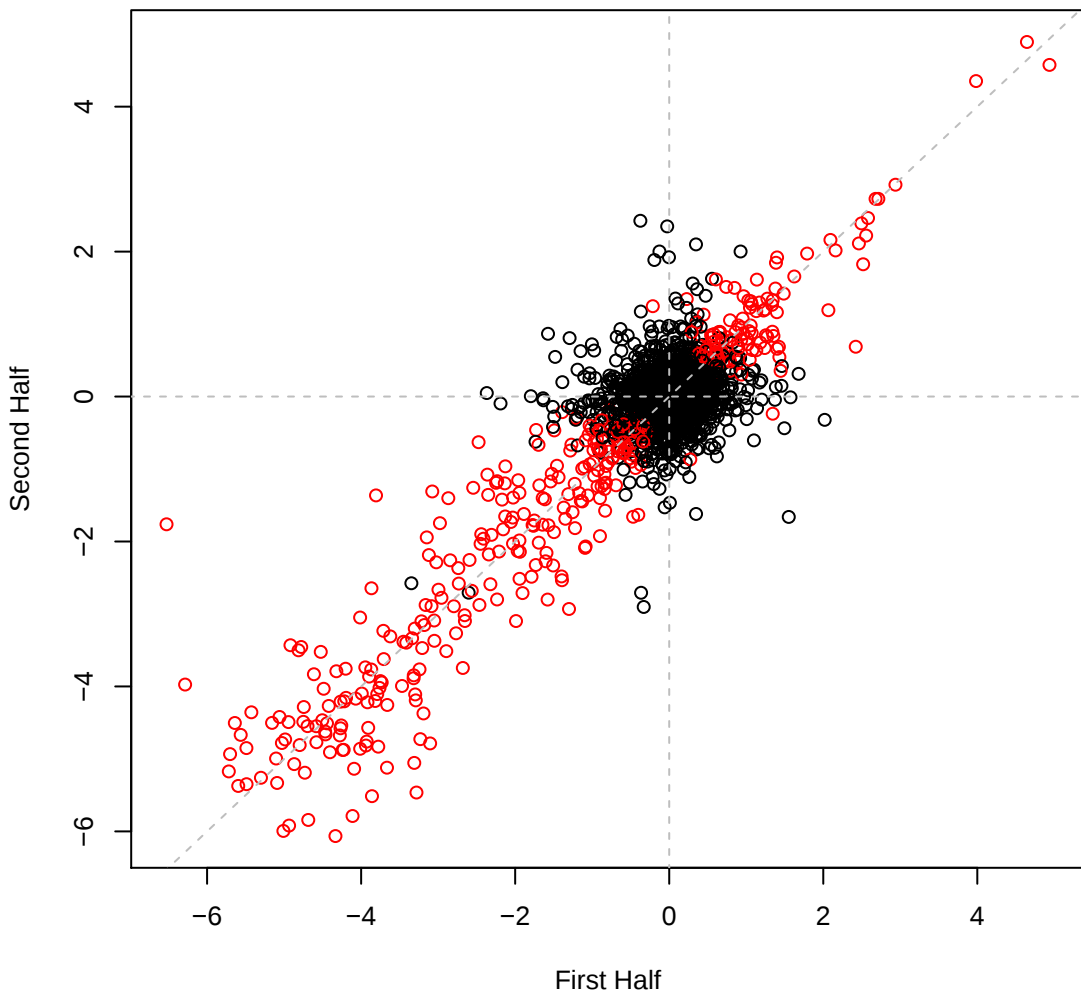
**Keio set1IT051 #51 (gMed=187 rho12=0.352)**  
**D-Sorbitol (C)**



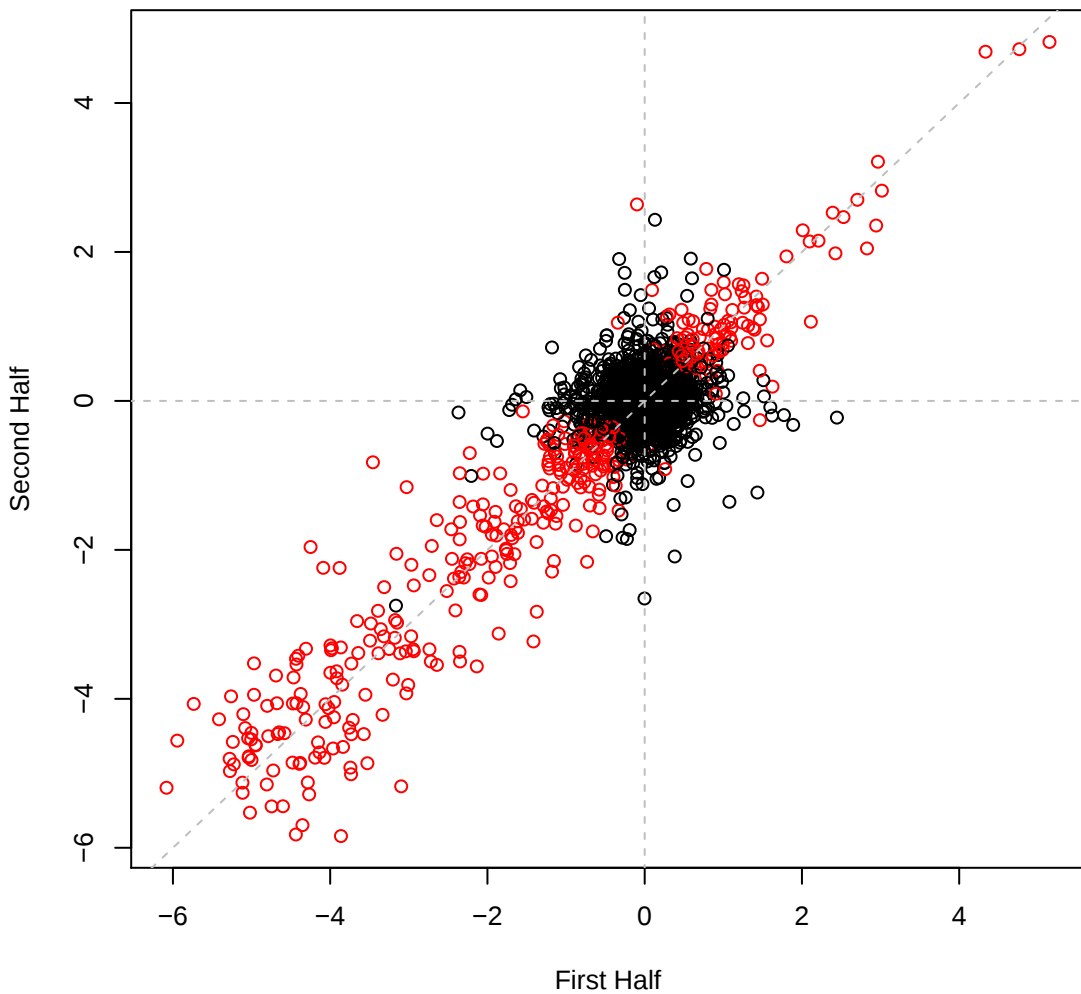
**Keio set1IT052 #52 (gMed=184 rho12=0.334)**  
**D-Sorbitol (C)**



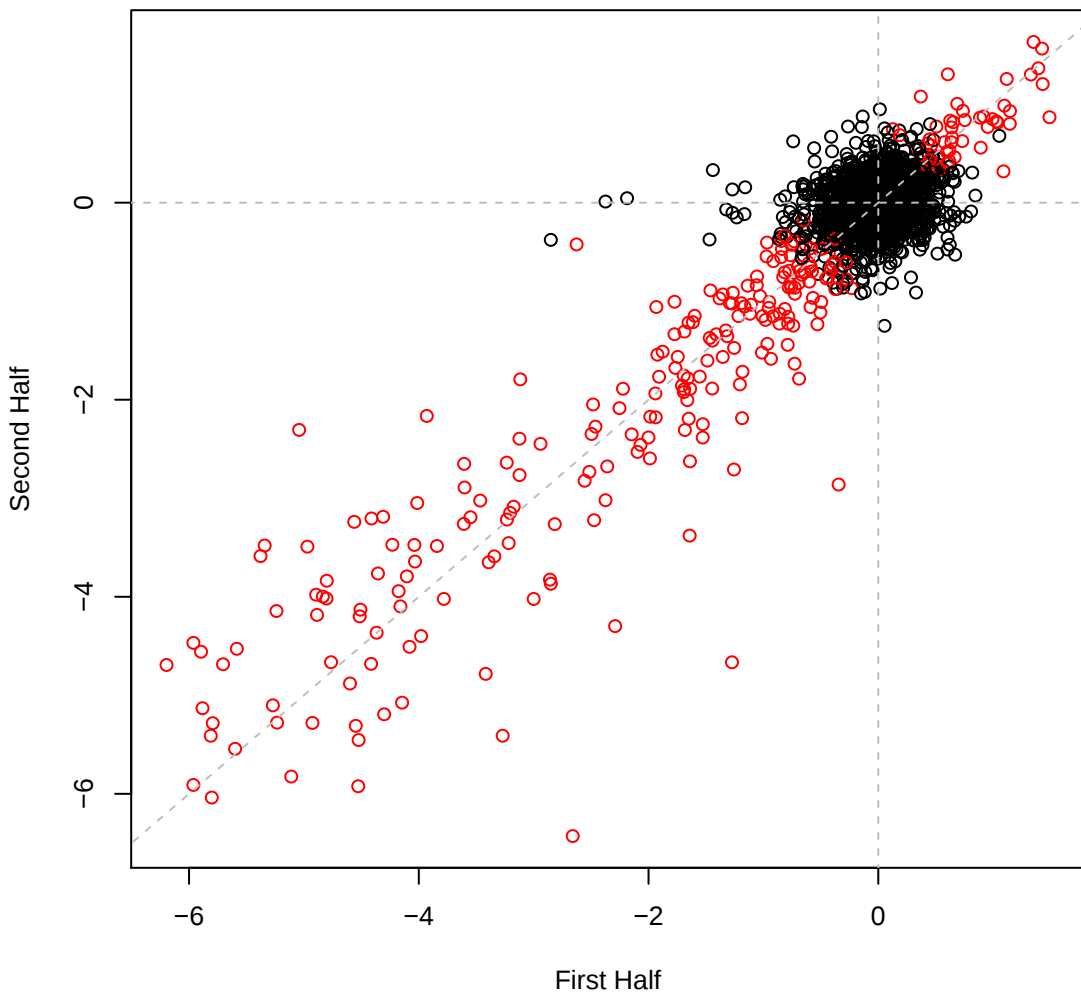
**Keio set1IT053 #53 (gMed=158 rho12=0.482)**  
**L-Malic (C)**



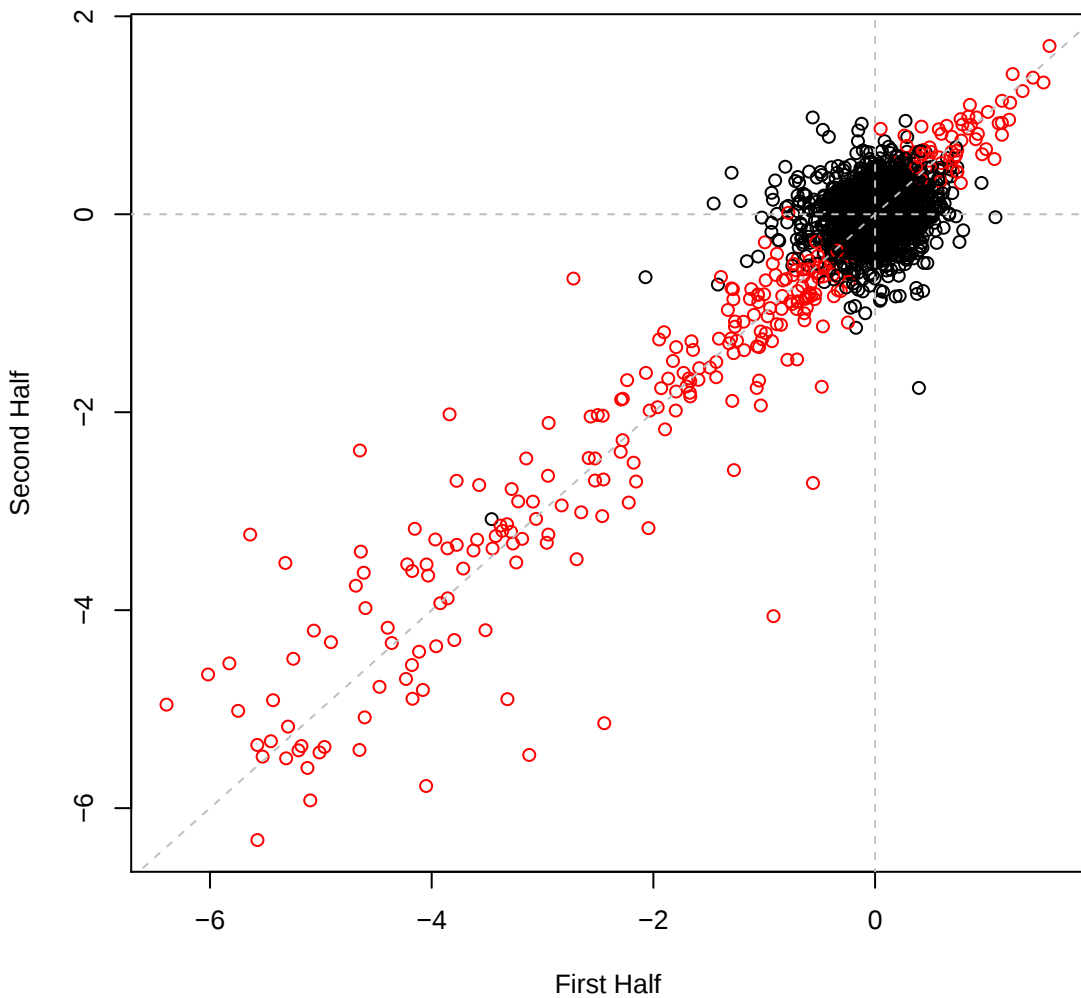
**Keio set1IT054 #54 (gMed=172 rho12=0.467)**  
**L-Malic (C)**



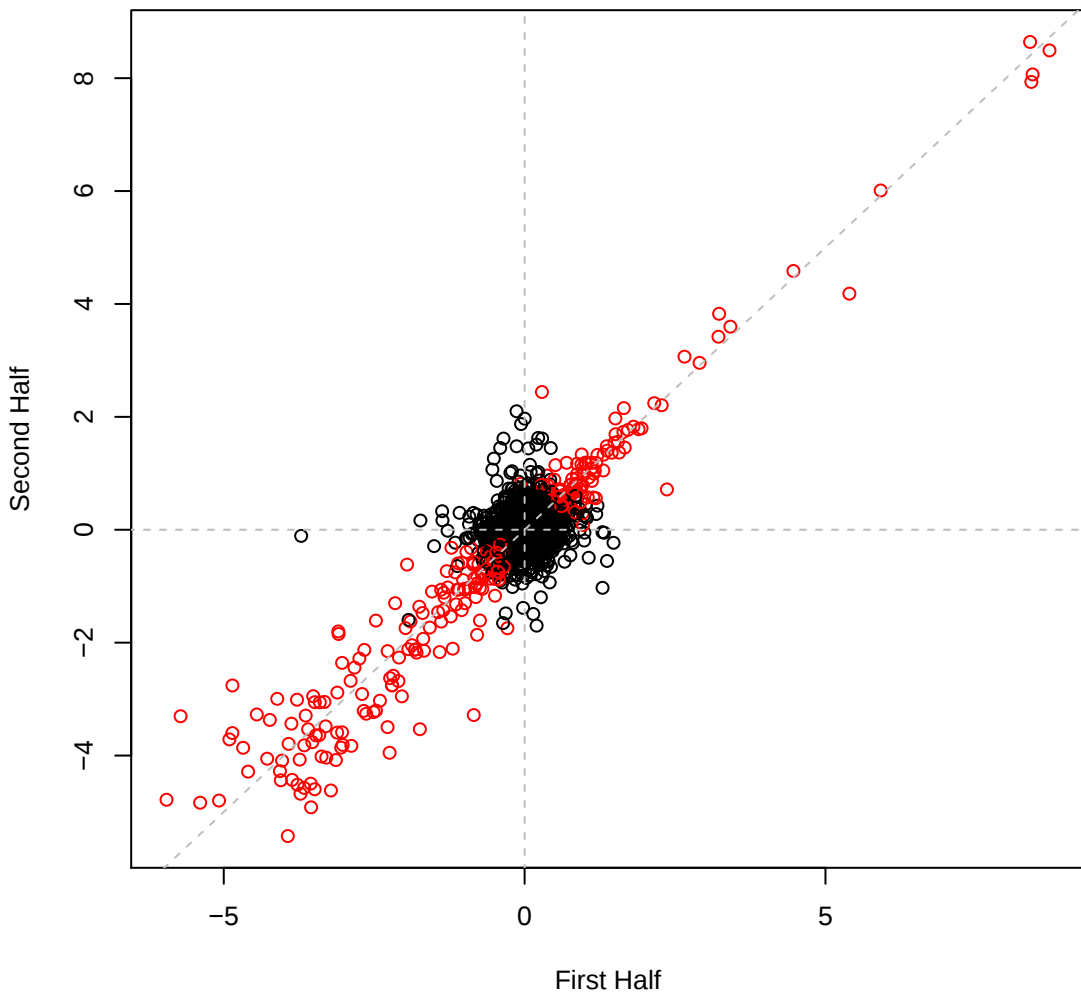
**Keio set1IT055 #55 (gMed=188 rho12=0.425)**  
**D-Trehalose (C)**



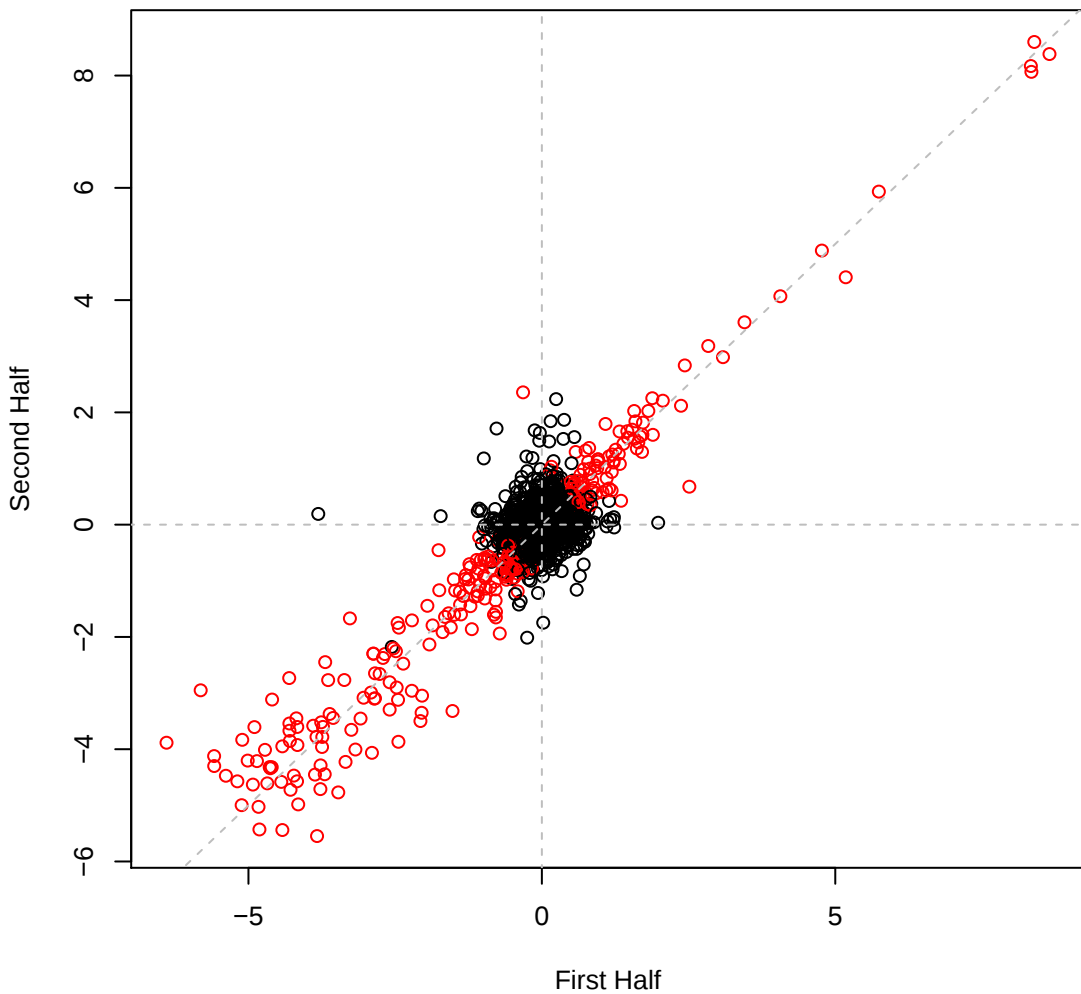
**Keio set1IT056 #56 (gMed=193 rho12=0.384)**  
**D-Trehalose (C)**



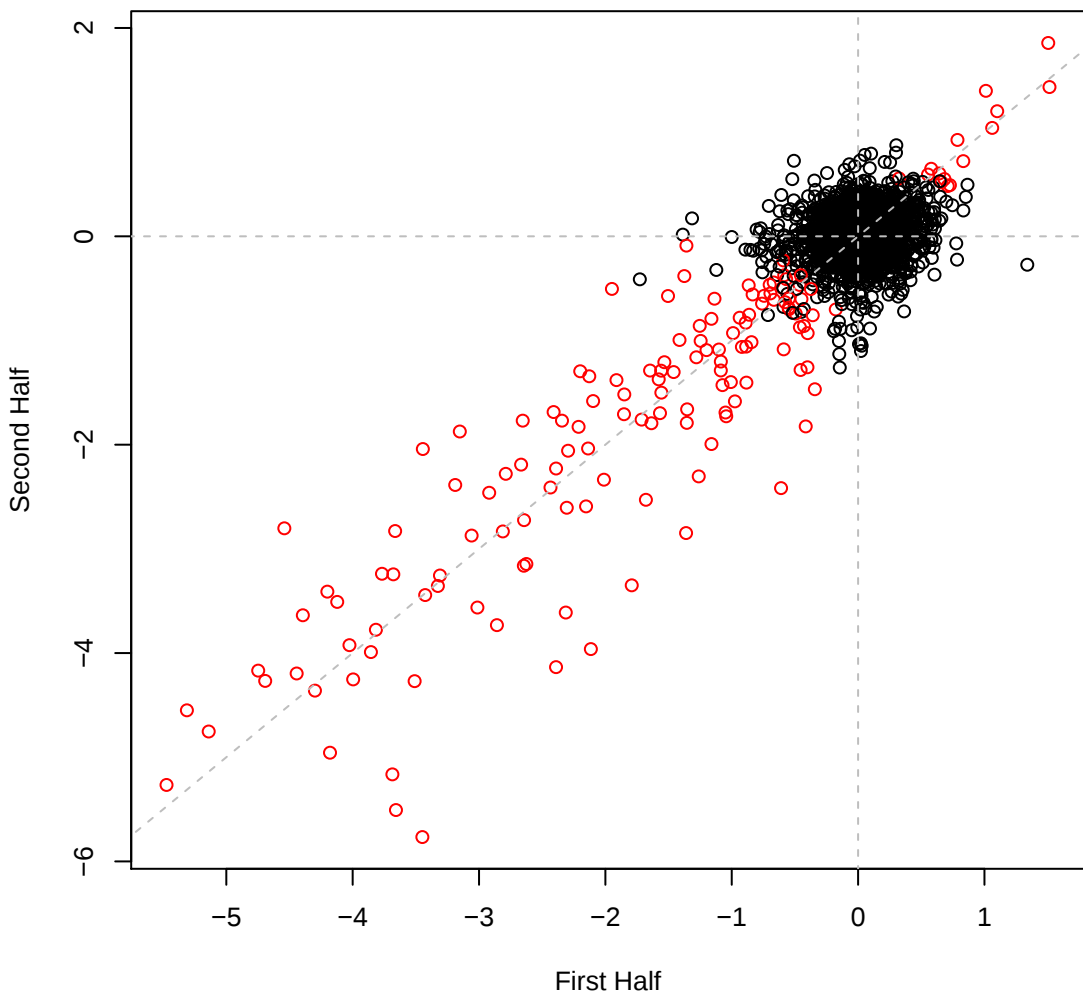
**Keio set1IT057 #57 (gMed=132 rho12=0.368)**  
**D-Serine (C)**



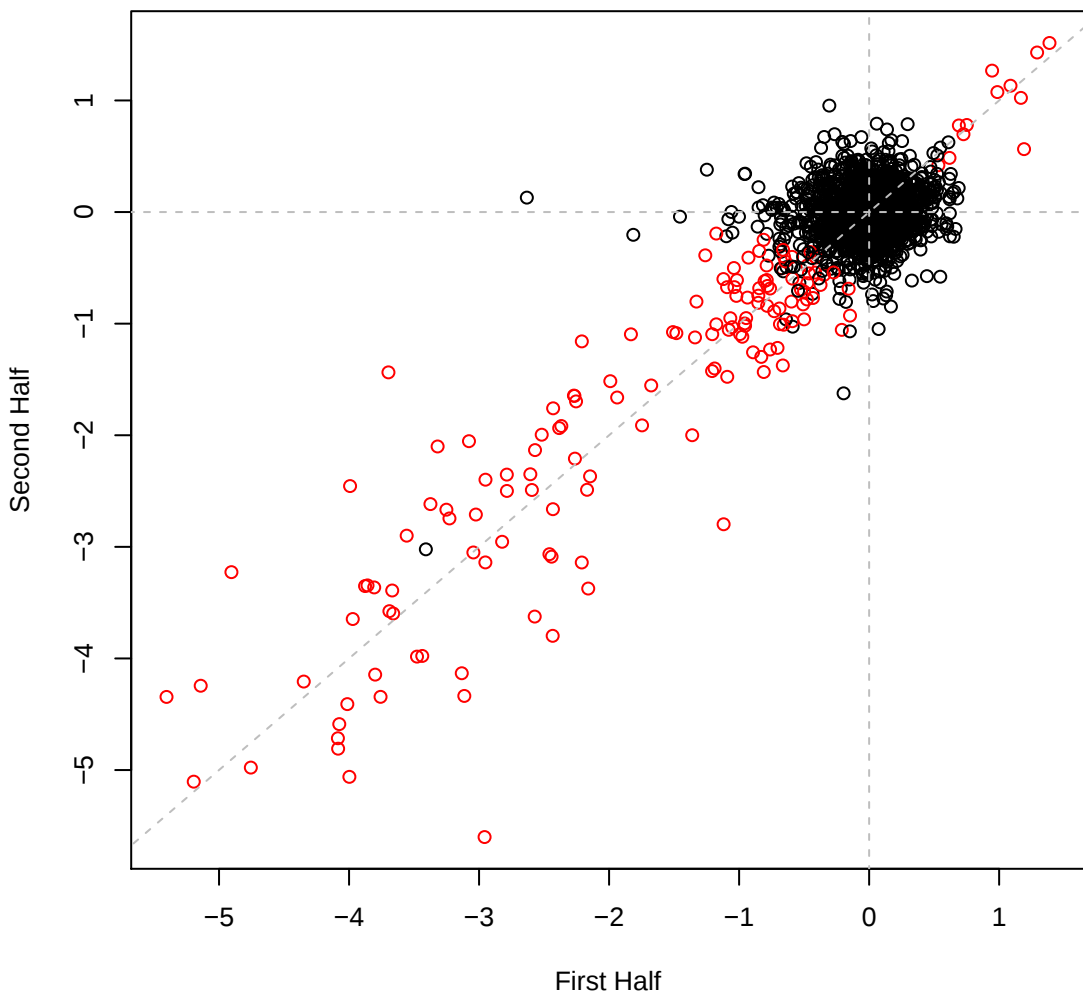
**Keio set1IT058 #58 (gMed=144 rho12=0.410)**  
**D-Serine (C)**



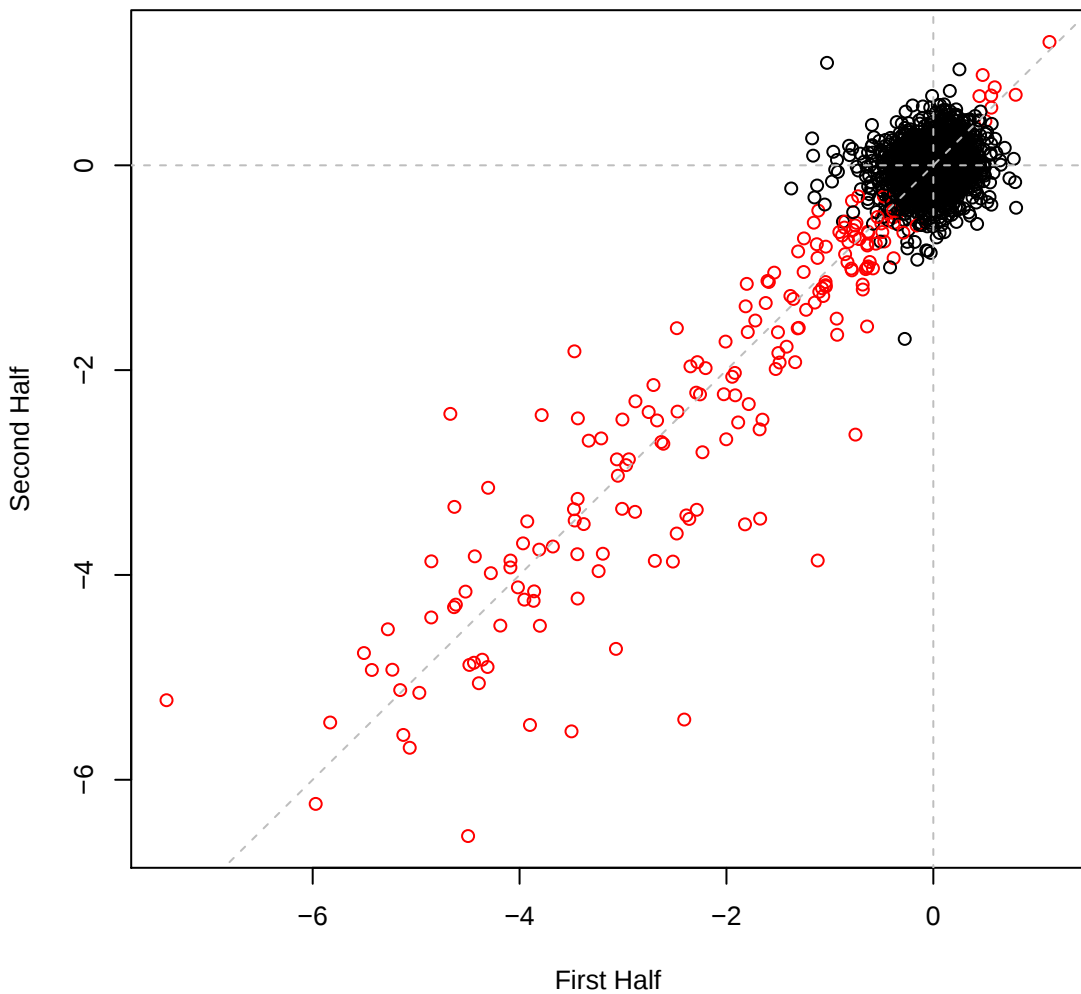
**Keio set1IT059 #59 (gMed=195 rho12=0.278)**  
**casaminos (C)**



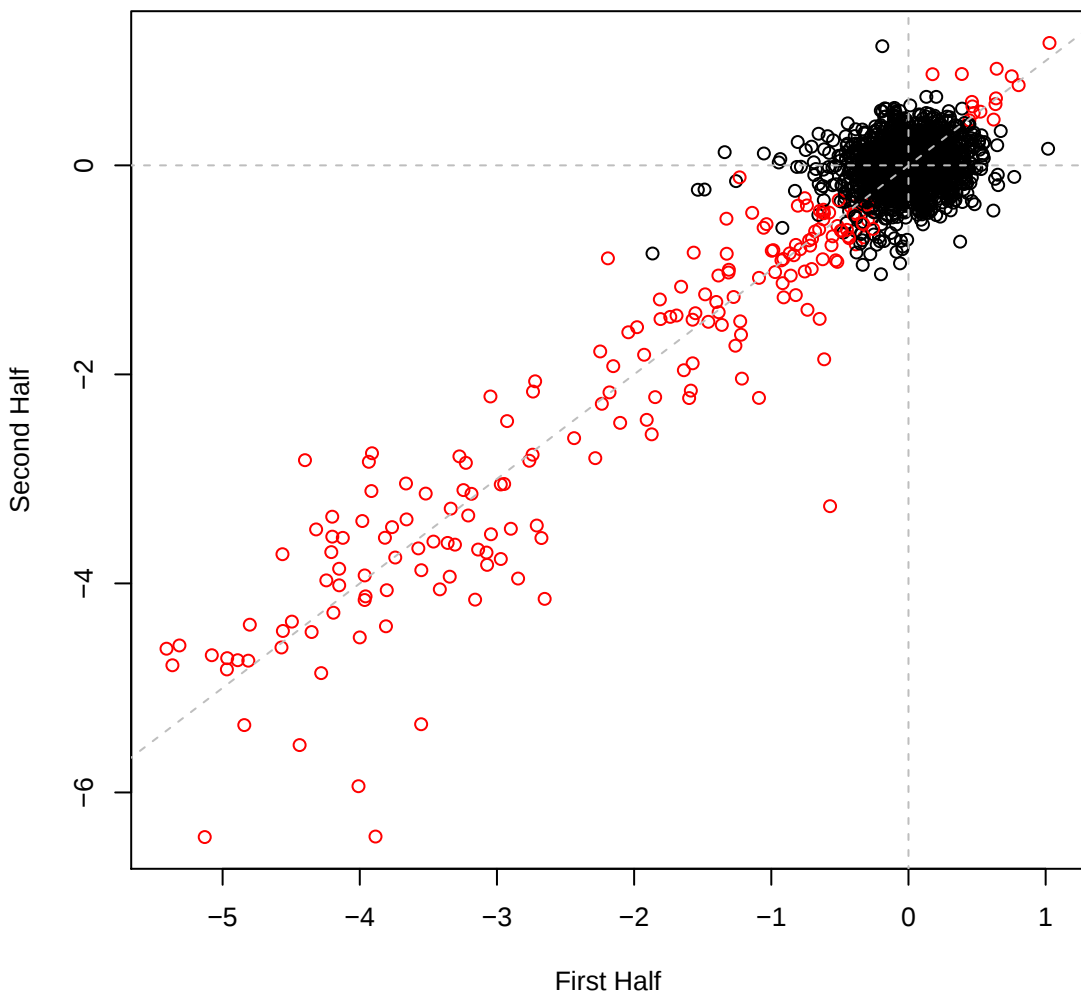
**Keio set1IT060 #60 (gMed=187 rho12=0.275)**  
**casaminos (C)**



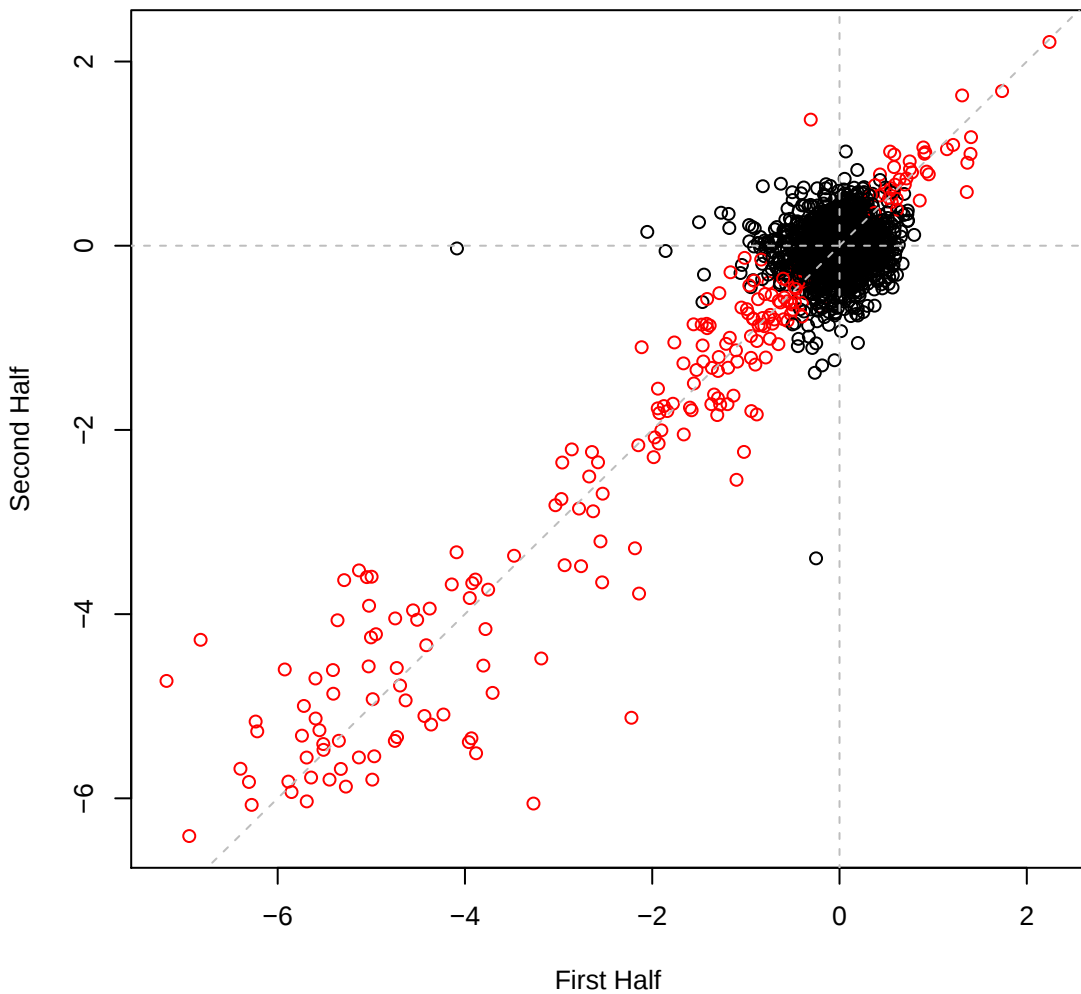
Keio set1IT061 #61 (gMed=197 rho12=0.328)  
NAG (C)



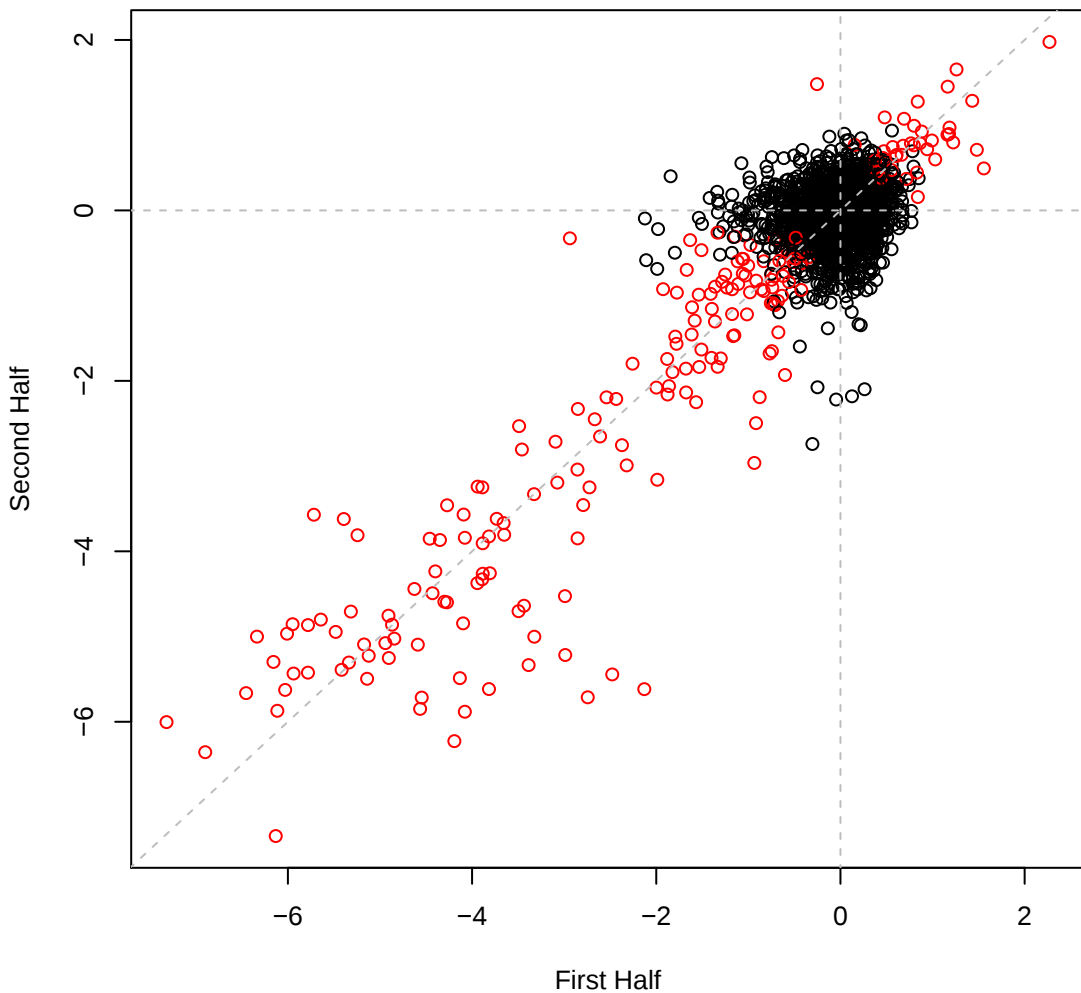
Keio set1IT062 #62 (gMed=217 rho12=0.321)  
NAG (C)



**Keio set1IT063 #63 (gMed=188 rho12=0.339)**  
**D-Glucosamine Hydrochloride (C)**

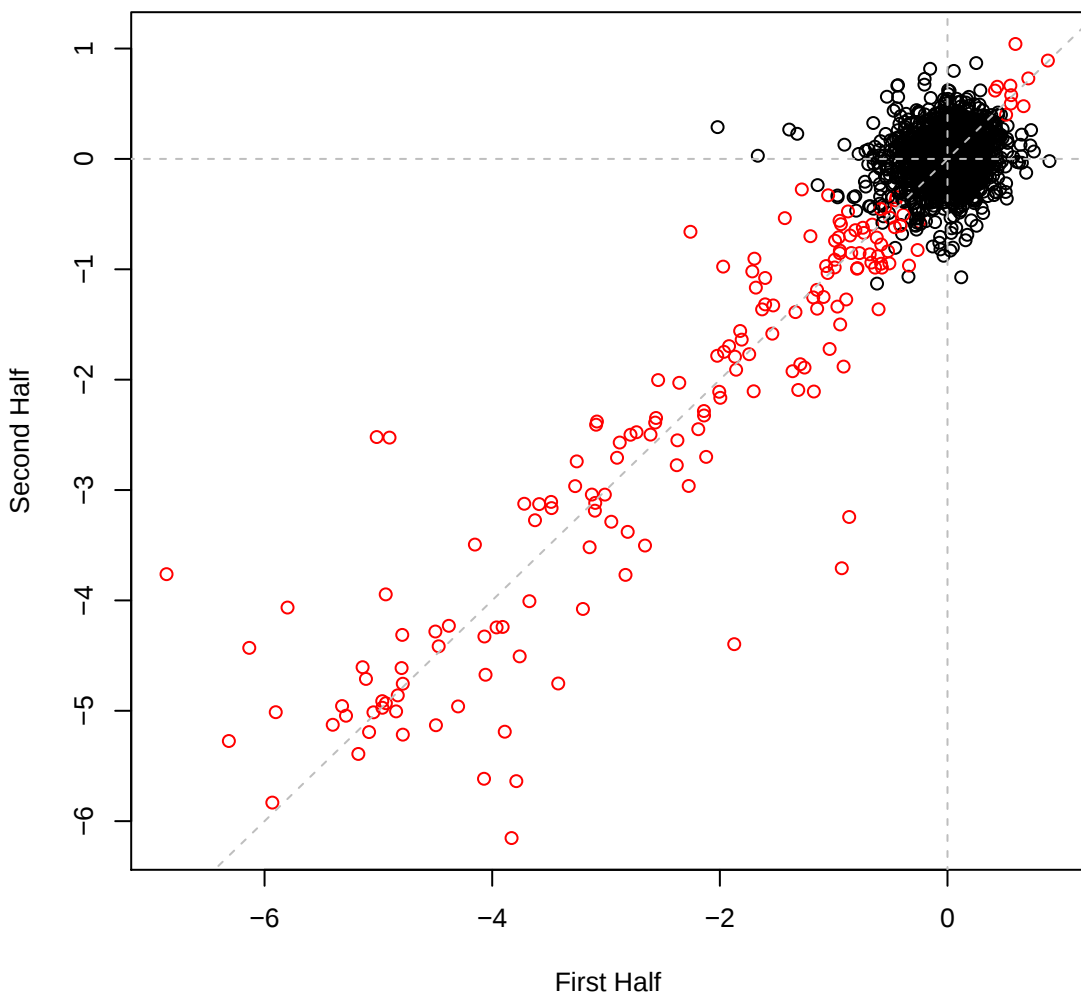


**Keio set1IT064 #64 (gMed=171 rho12=0.325)**  
**D-Glucosamine Hydrochloride (C)**

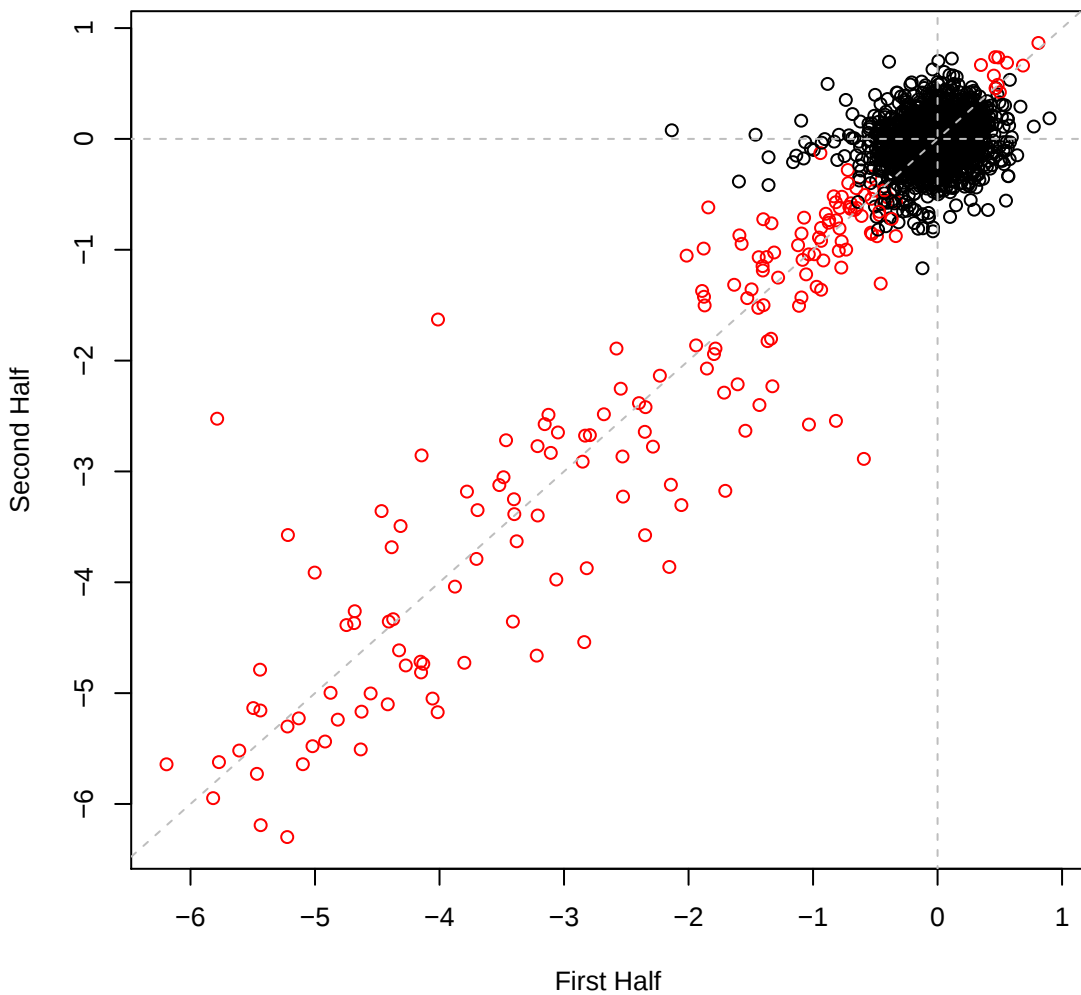


Keio set1IT065 #65 (gMed=175 rho12=0.291)

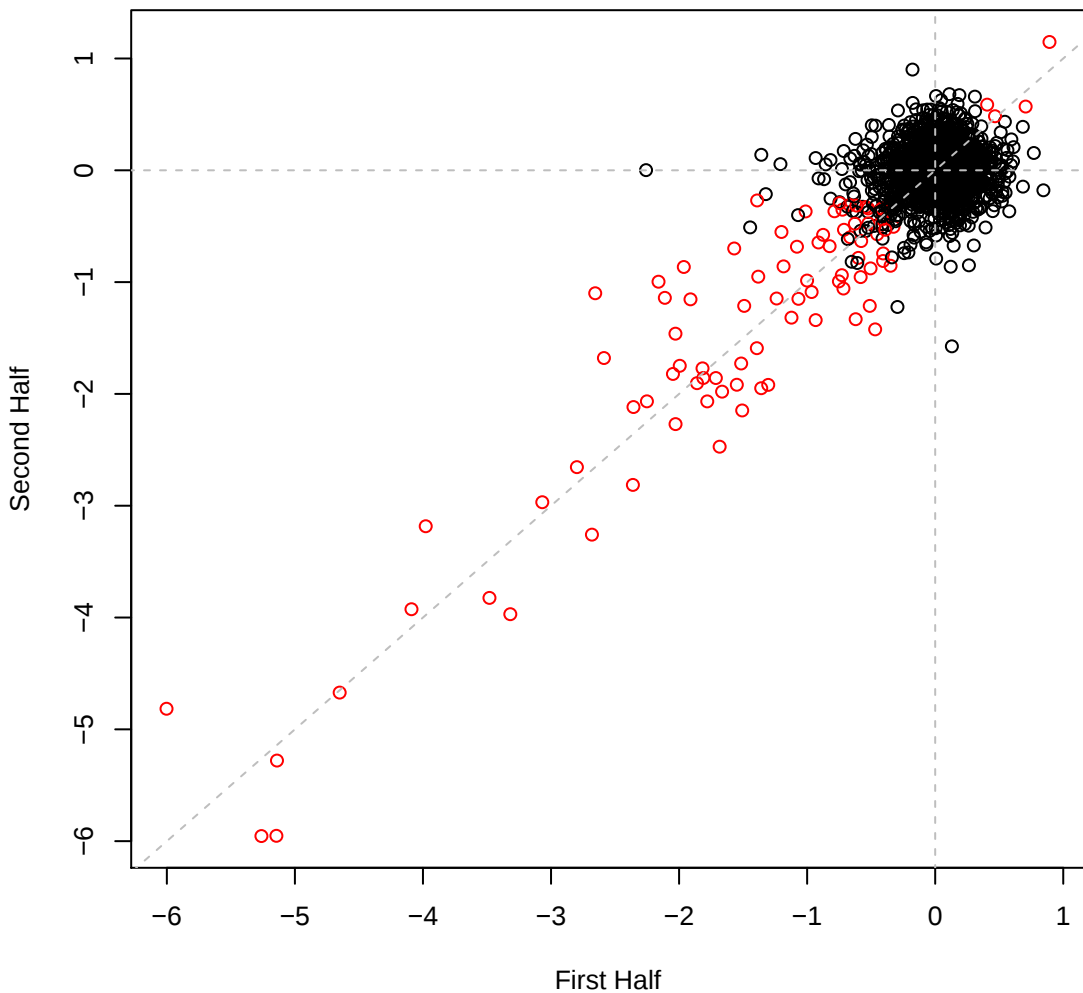
D-Mannose (C)



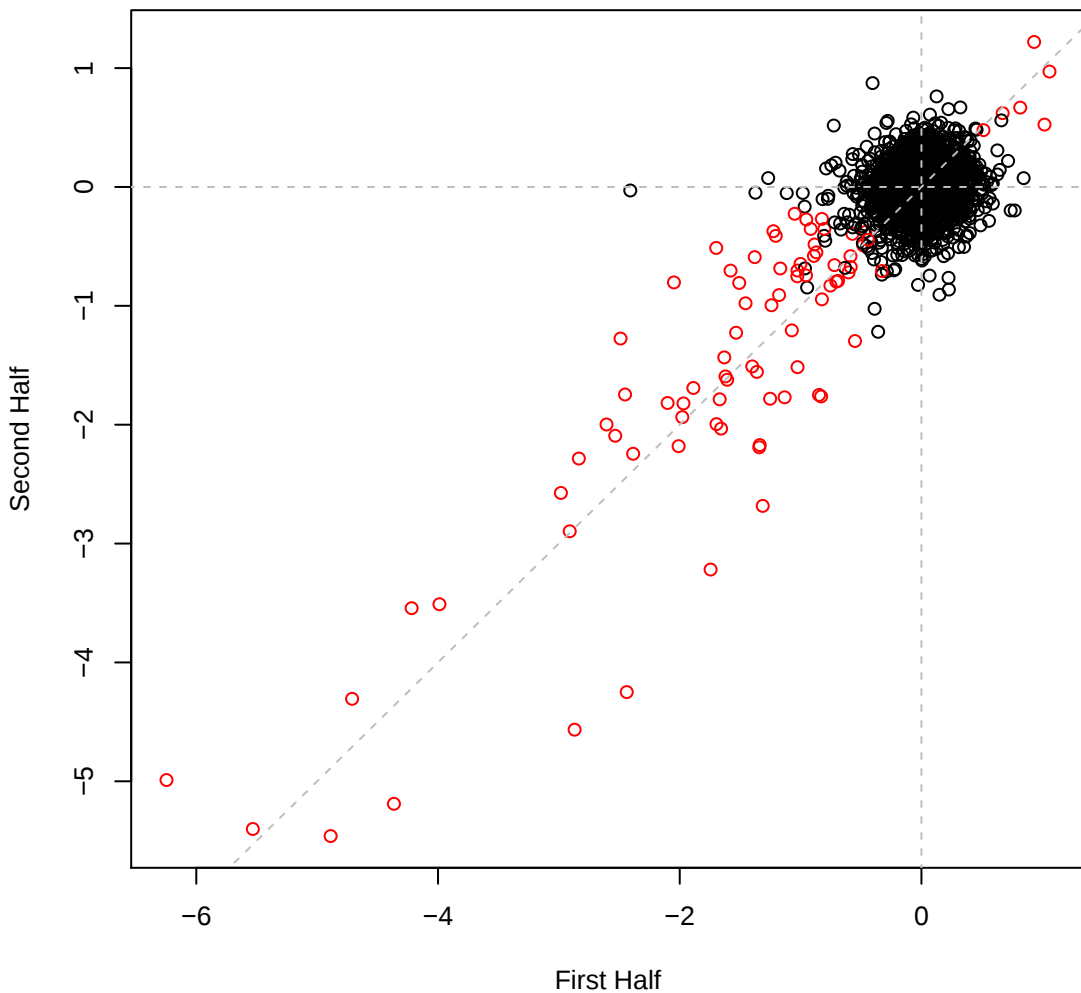
**Keio set1IT066 #66 (gMed=191 rho12=0.324)**  
**D-Mannose (C)**



**Keio set1IT067 #67 (gMed=182 rho12=0.181)**  
**D-Galacturonic Acid (C) MOPS**

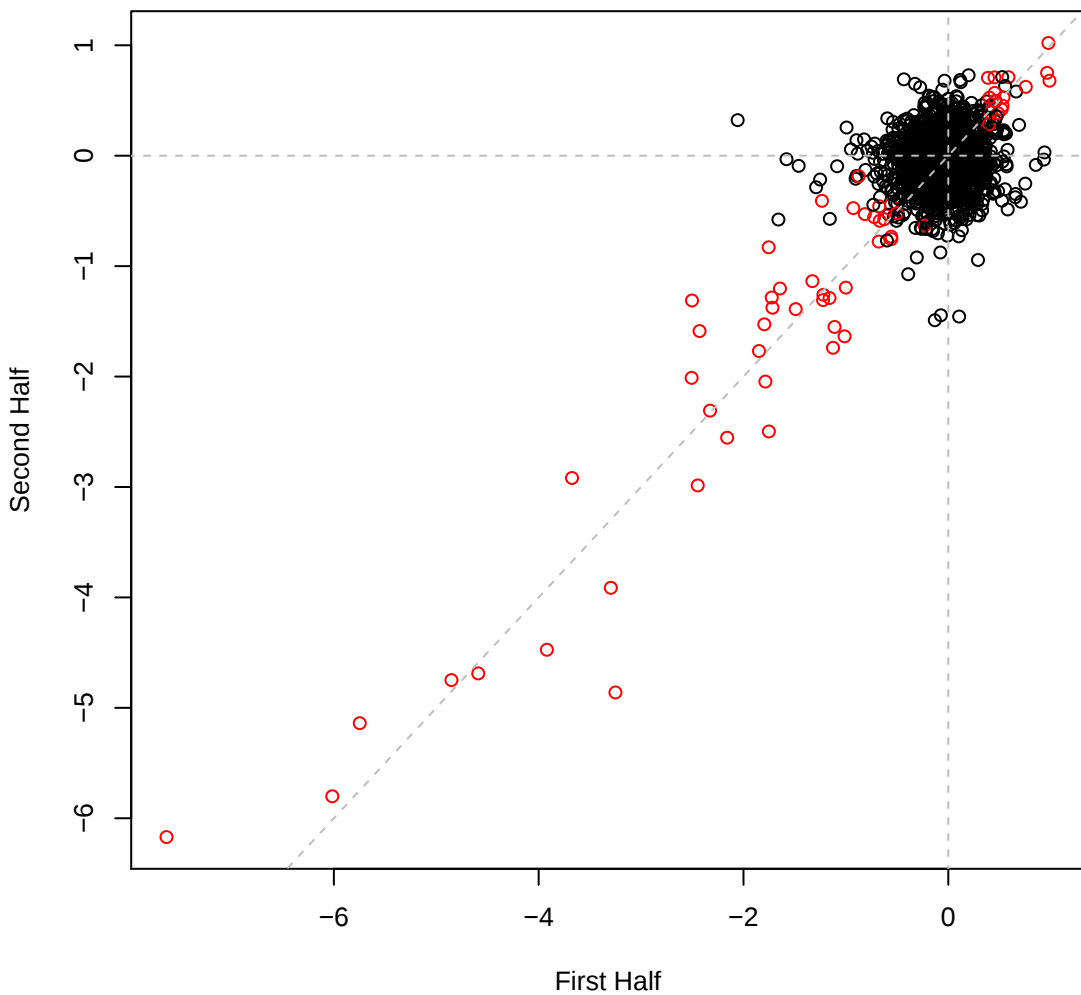


**Keio set1IT068 #68 (gMed=167 rho12=0.173)**  
**D-Galacturonic Acid (C) MOPS**

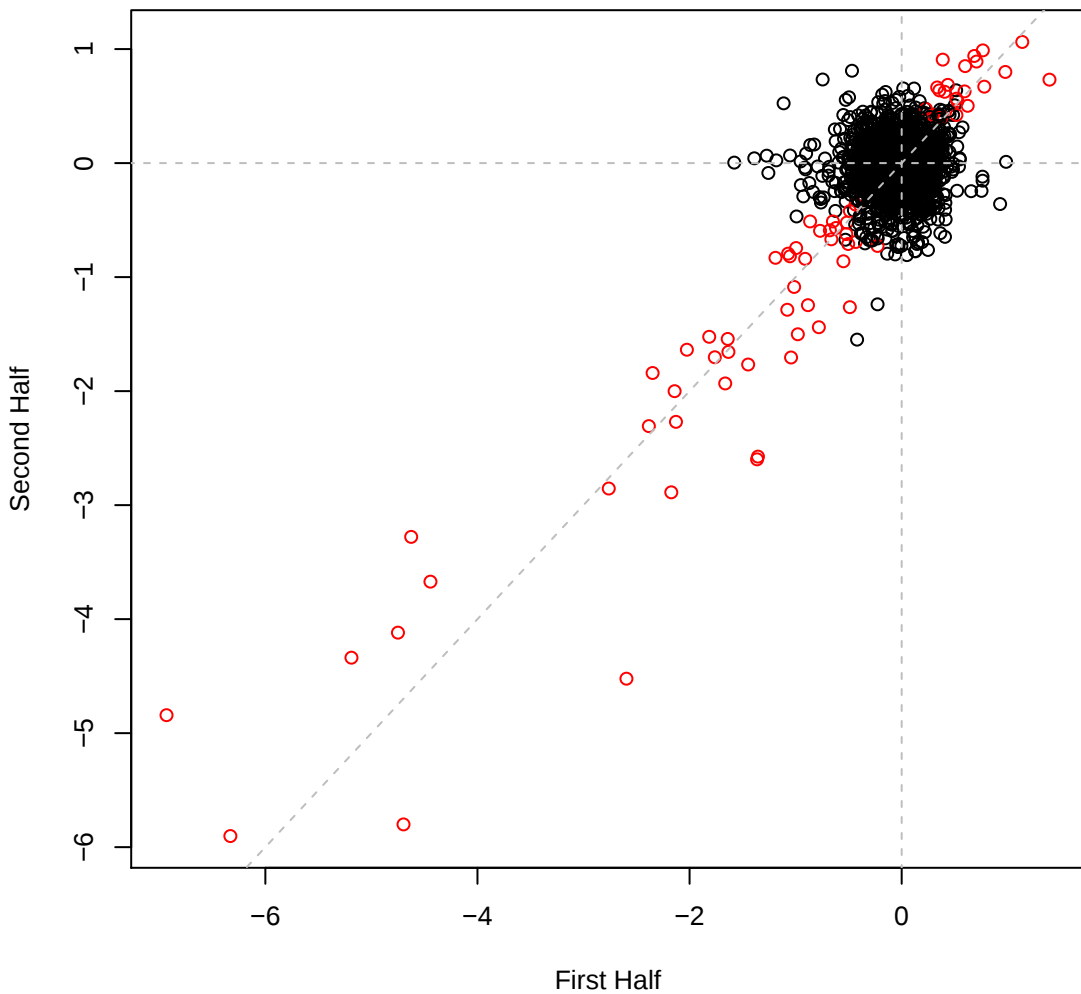


Keio set1IT069 #69 (gMed=155 rho12=0.123)

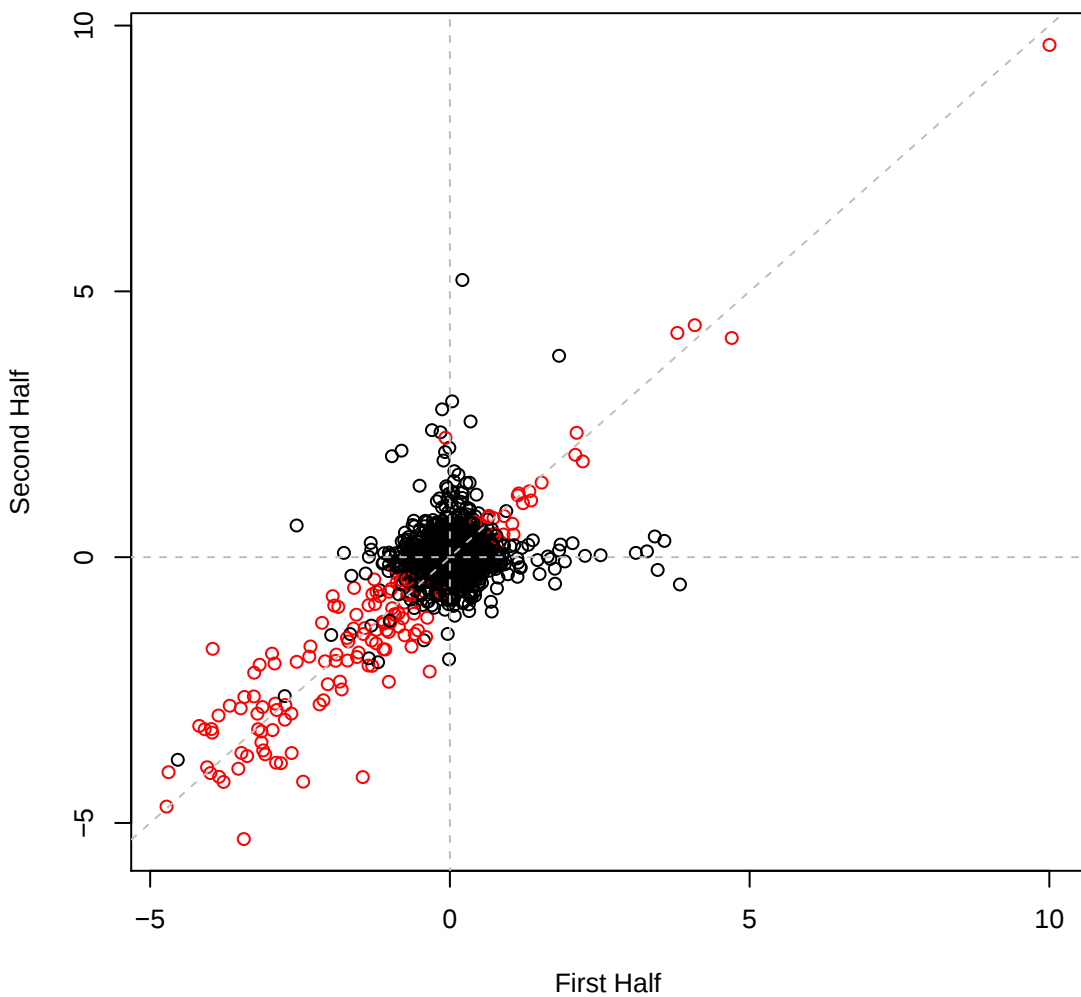
D-Glucose (C) MOPS



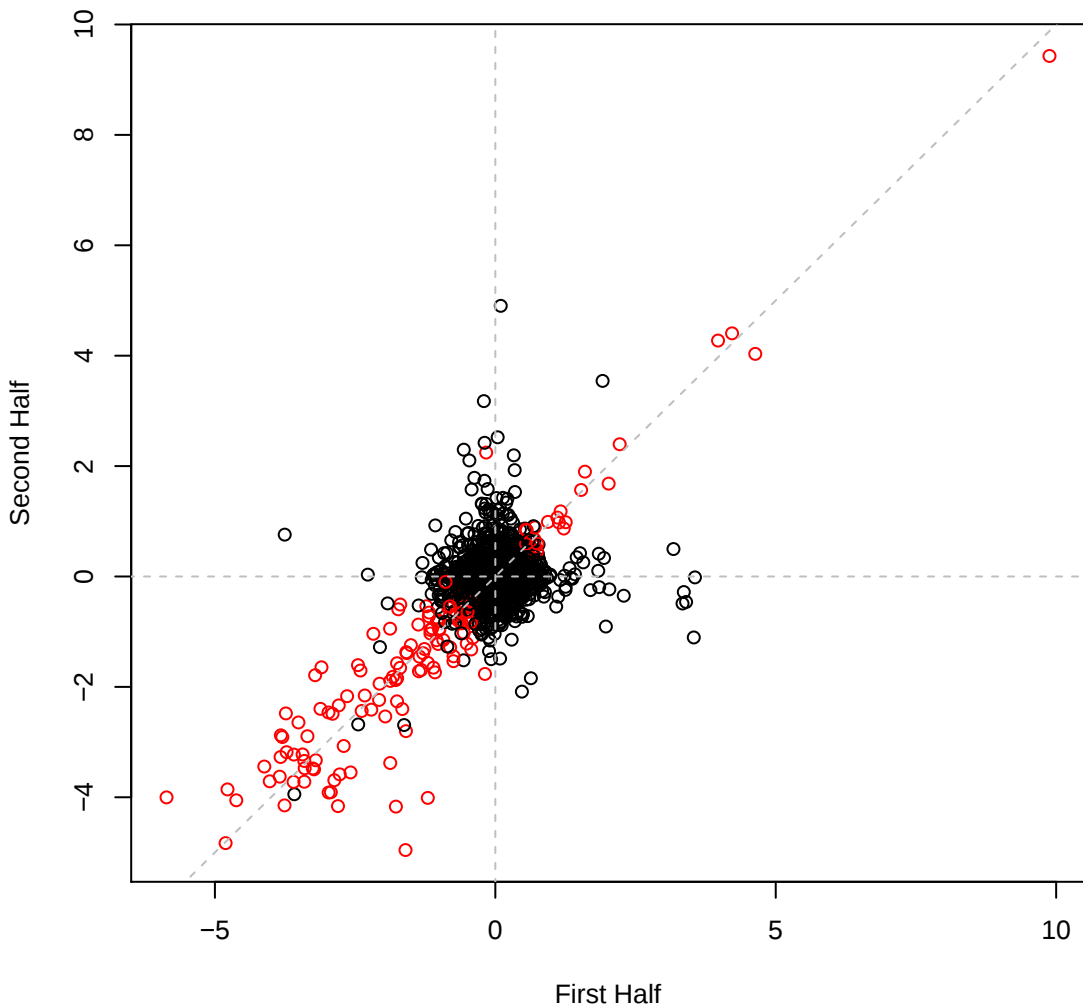
**Keio set1IT070 #70 (gMed=165 rho12=0.145)**  
**D-Glucose (C) MOPS**



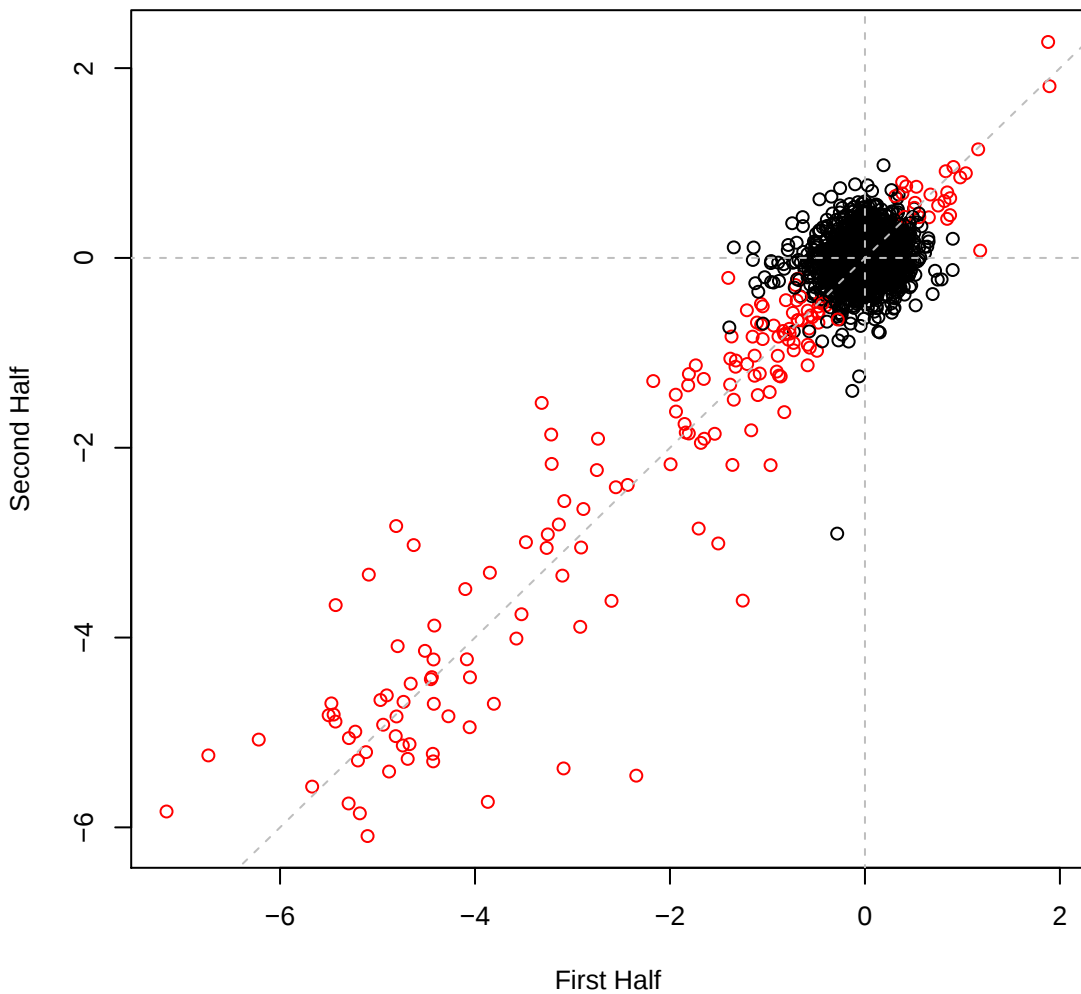
**Keio set1IT071 #71 (gMed=95 rho12=0.236)**  
**L-Arginine (N)**



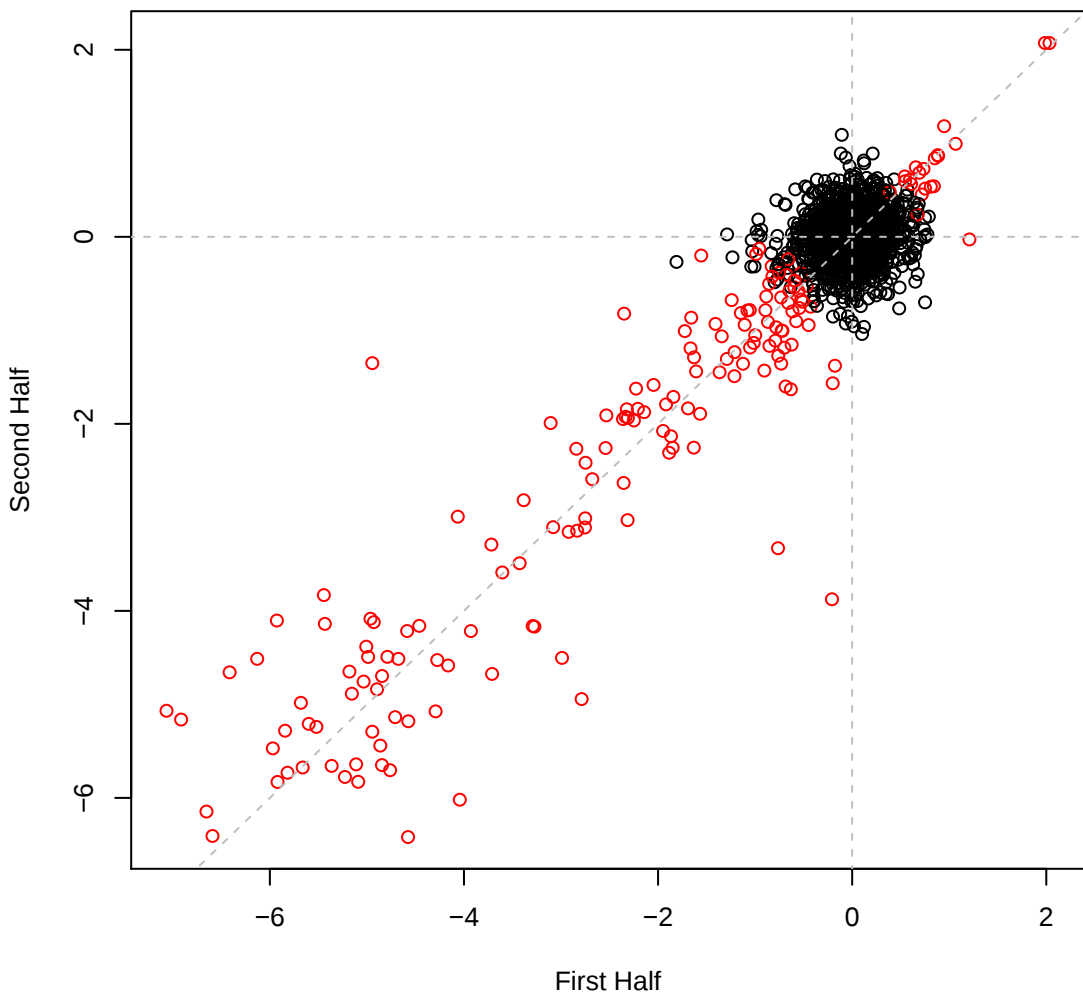
**Keio set1IT072 #72 (gMed=103 rho12=0.227)**  
**L-Arginine (N)**



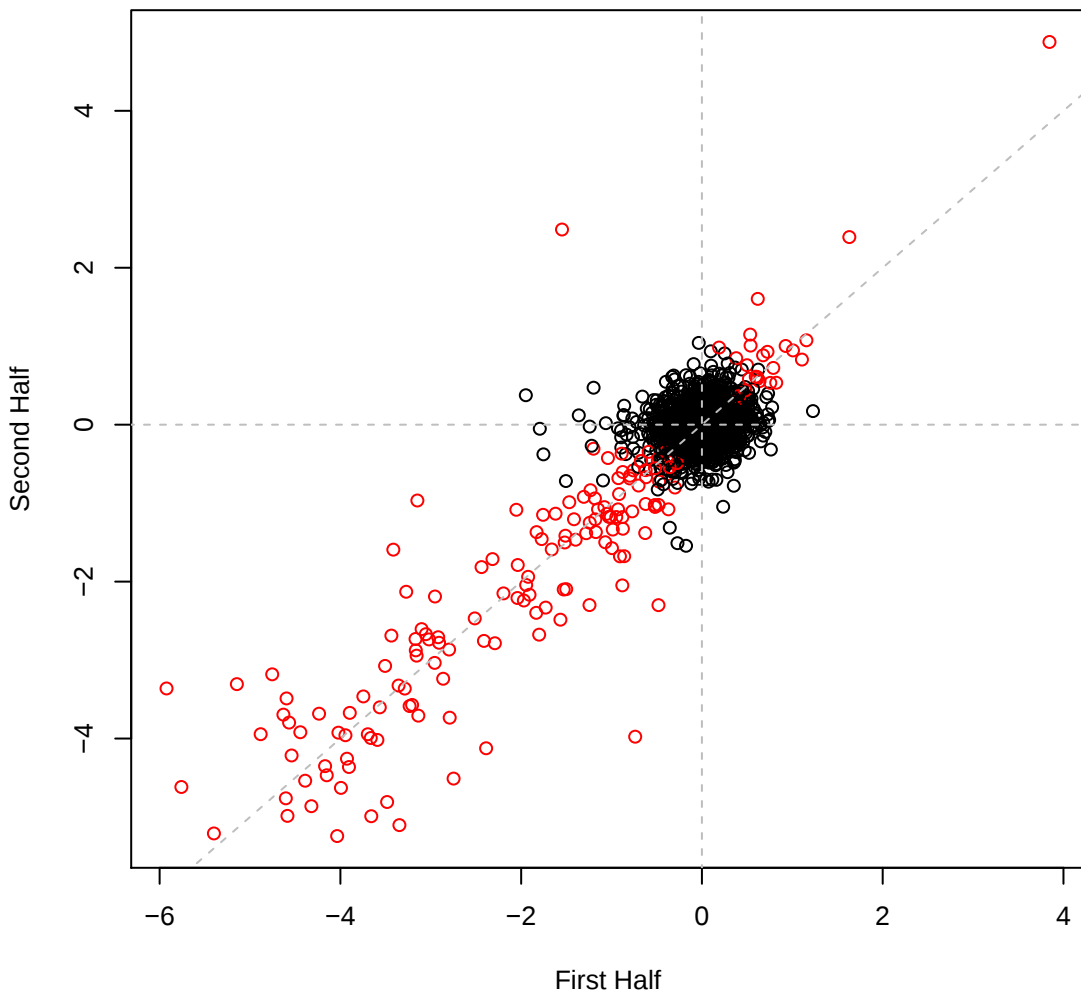
**Keio set1IT073 #73 (gMed=161 rho12=0.295)**  
**L-Aspartic Acid (N)**



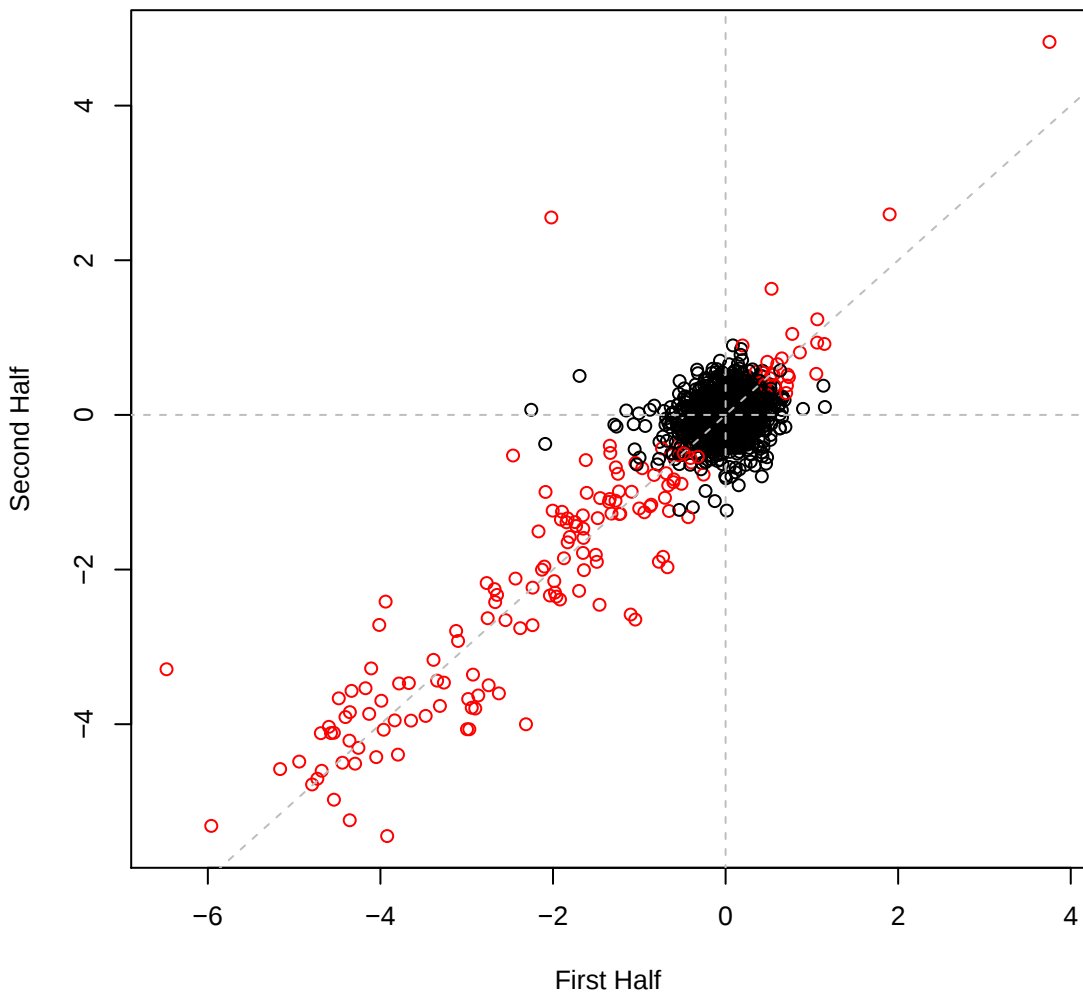
Keio set1IT074 #74 (gMed=144 rho12=0.275)  
L-Aspartic Acid (N)



Keio set1IT075 #75 (gMed=159 rho12=0.306)  
L-Serine (N)

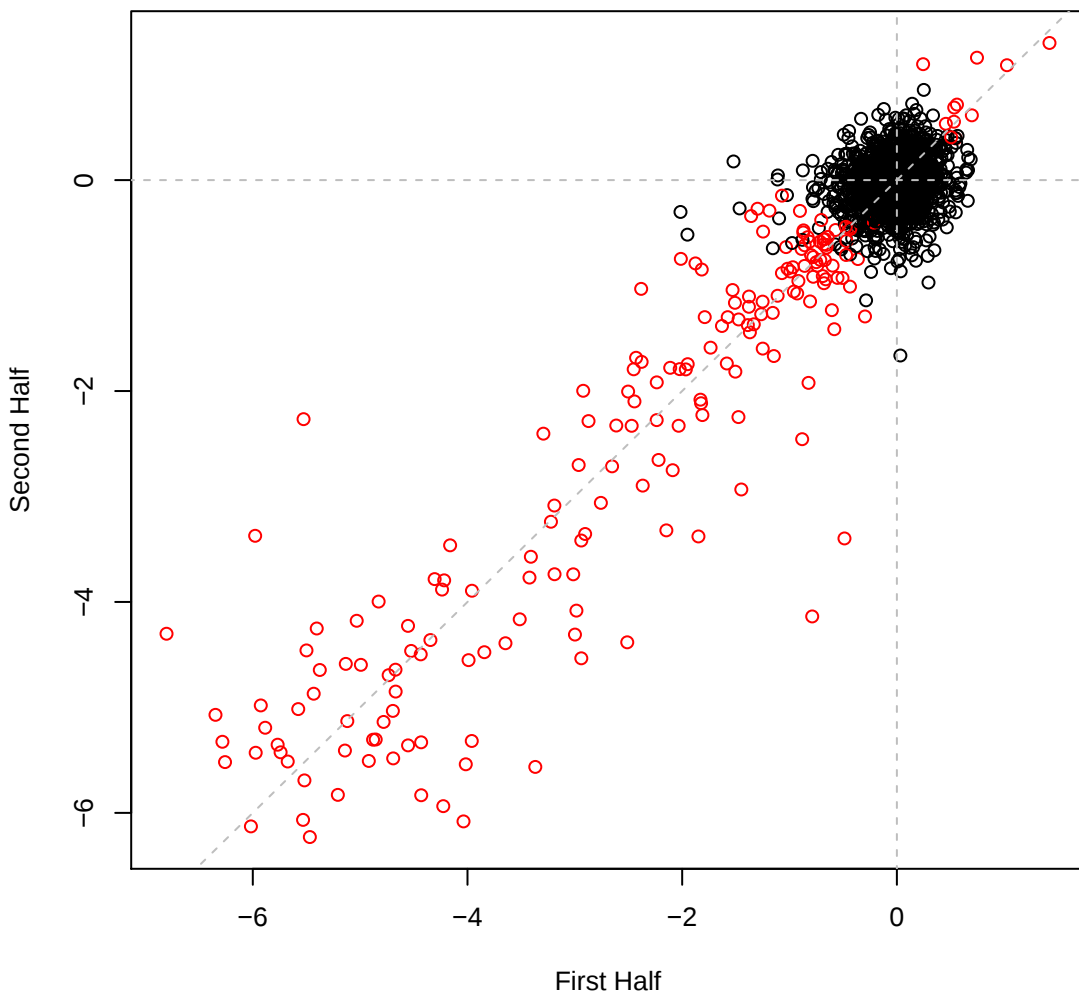


Keio set1IT076 #76 (gMed=182 rho12=0.303)  
L-Serine (N)



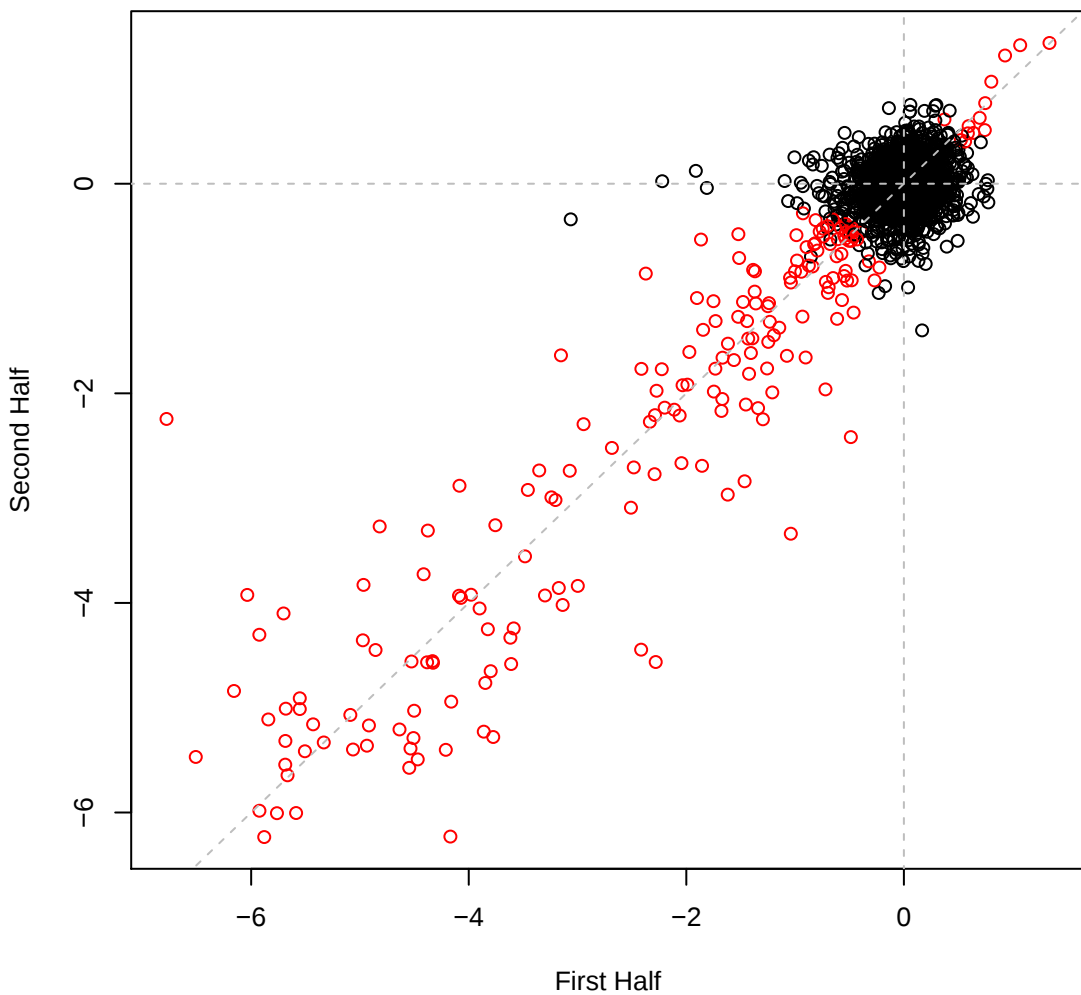
Keio set1IT077 #77 (gMed=165 rho12=0.319)

L-Asparagine (N)

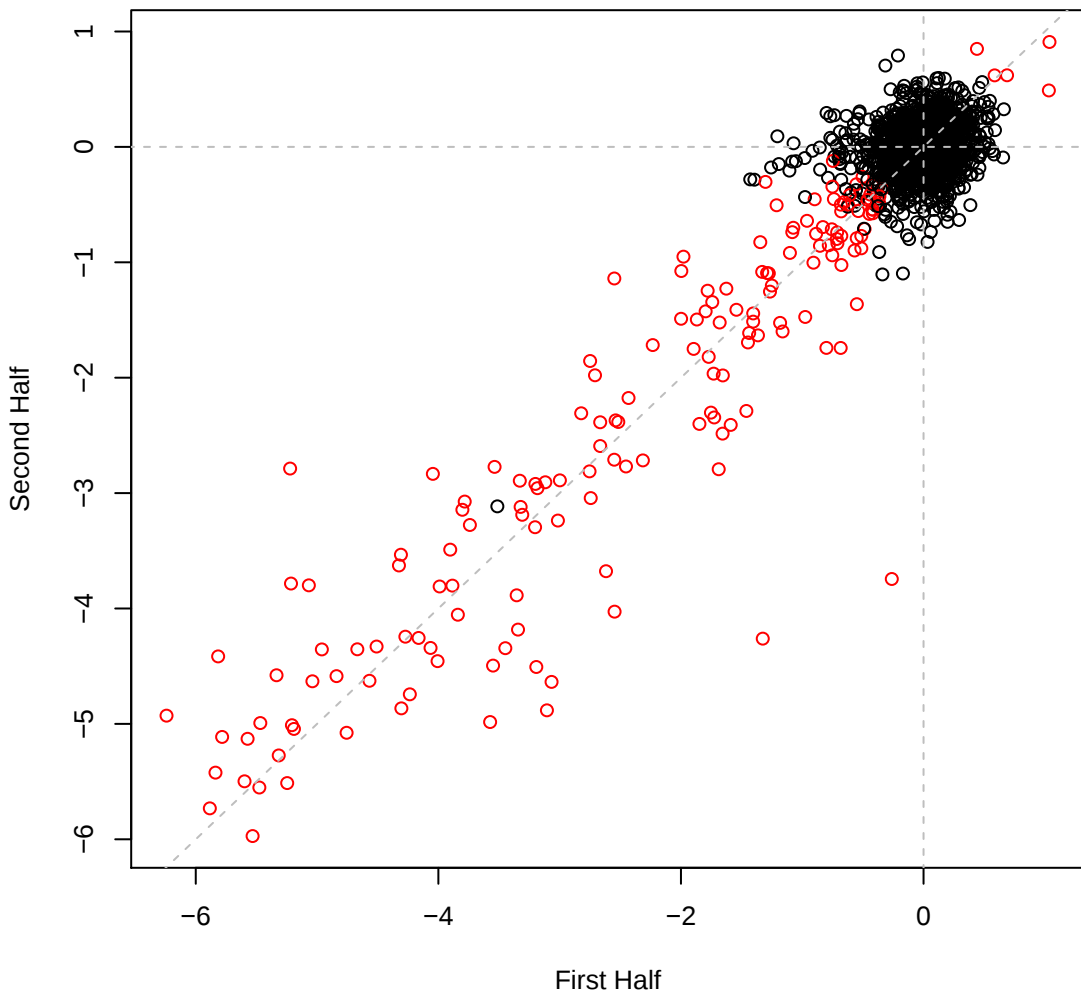


Keio set1IT078 #78 (gMed=177 rho12=0.314)

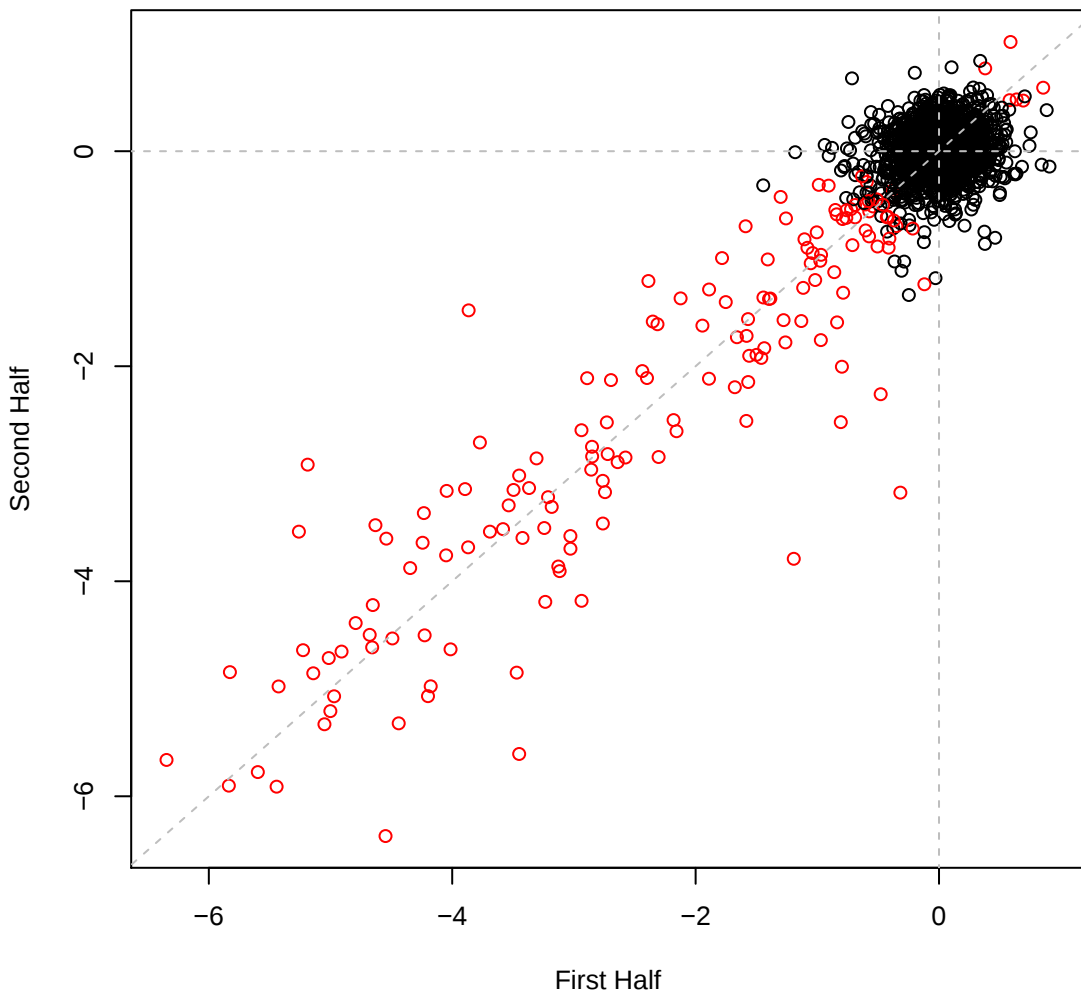
L-Asparagine (N)



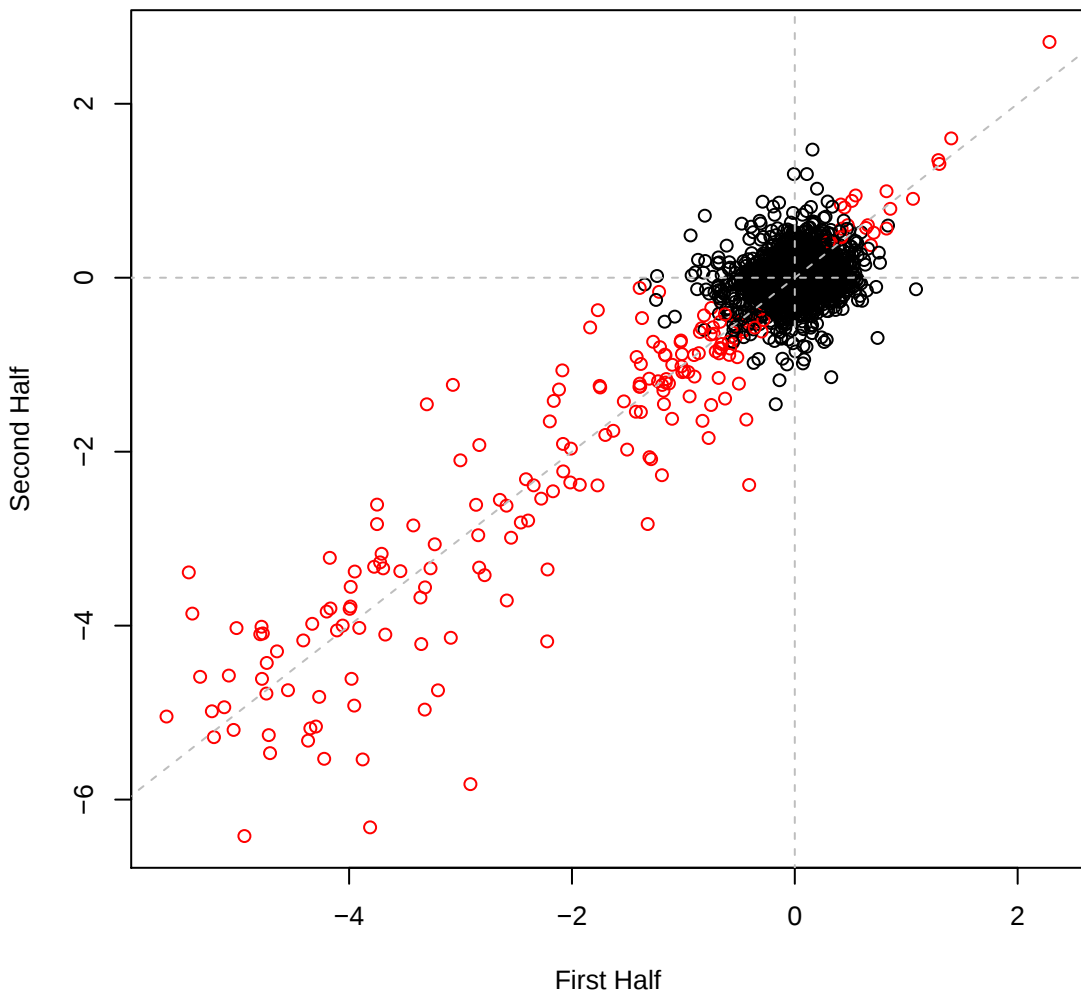
**Keio set1IT079 #79 (gMed=197 rho12=0.310)**  
**L-Glutamine (N)**



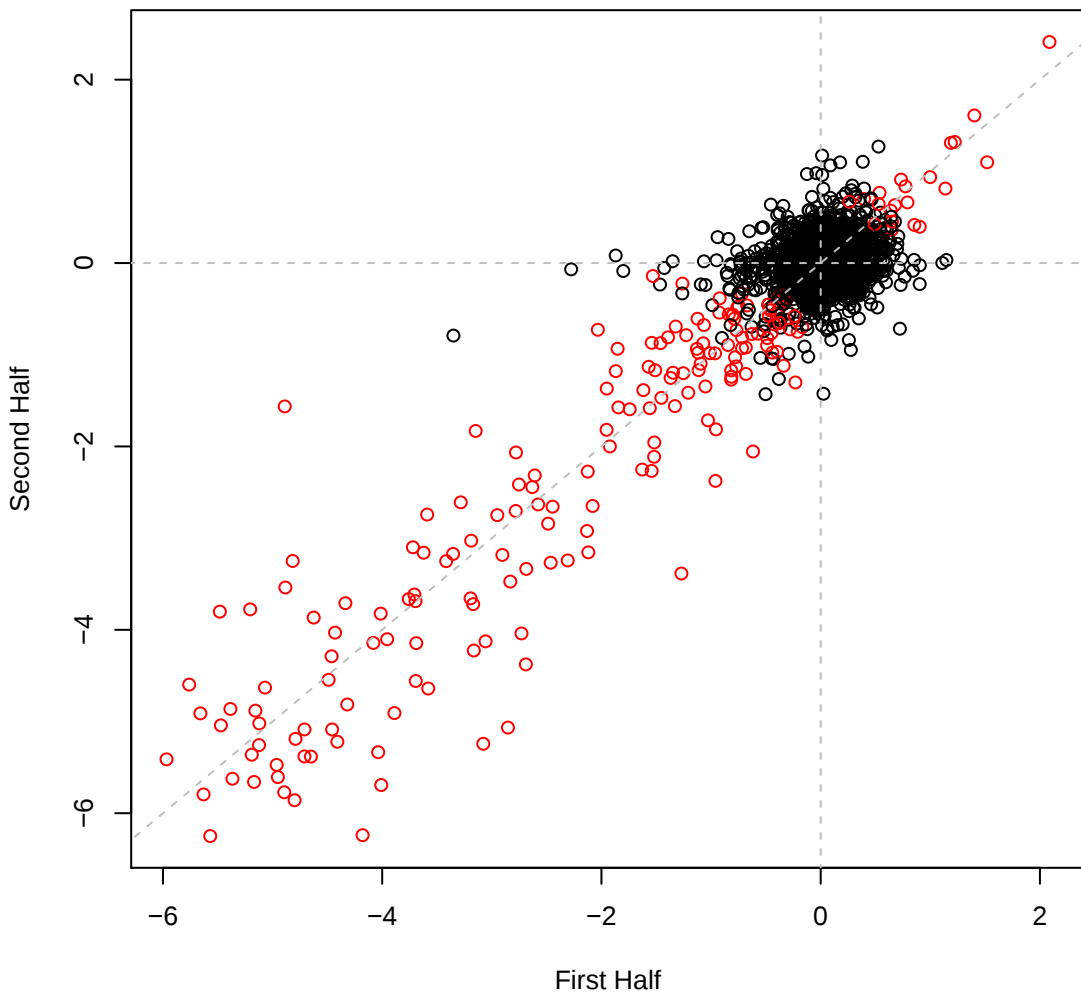
**Keio set1IT080 #80 (gMed=187 rho12=0.276)**  
**L-Glutamine (N)**



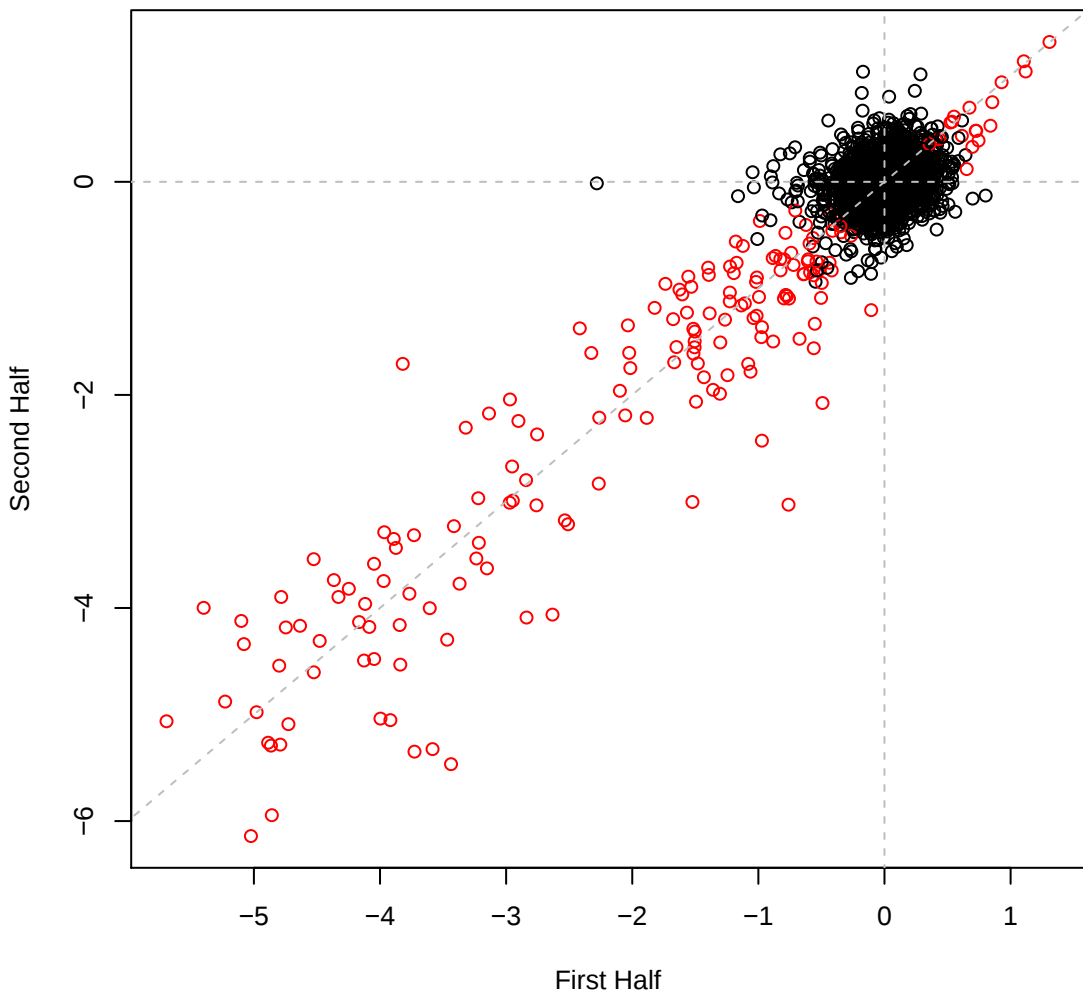
**Keio set1IT081 #81 (gMed=159 rho12=0.349)**  
**Glycine (N)**



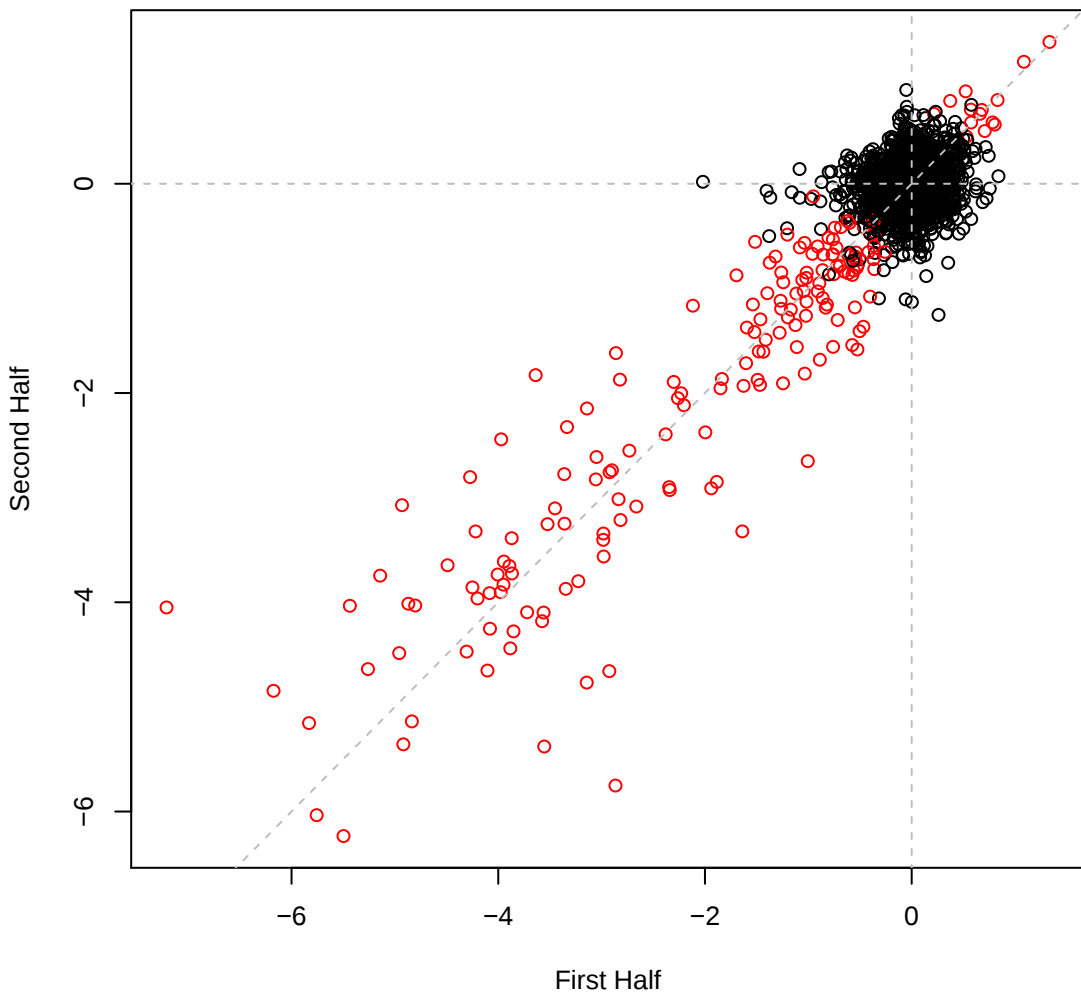
Keio set1IT082 #82 (gMed=171 rho12=0.326)  
Glycine (N)



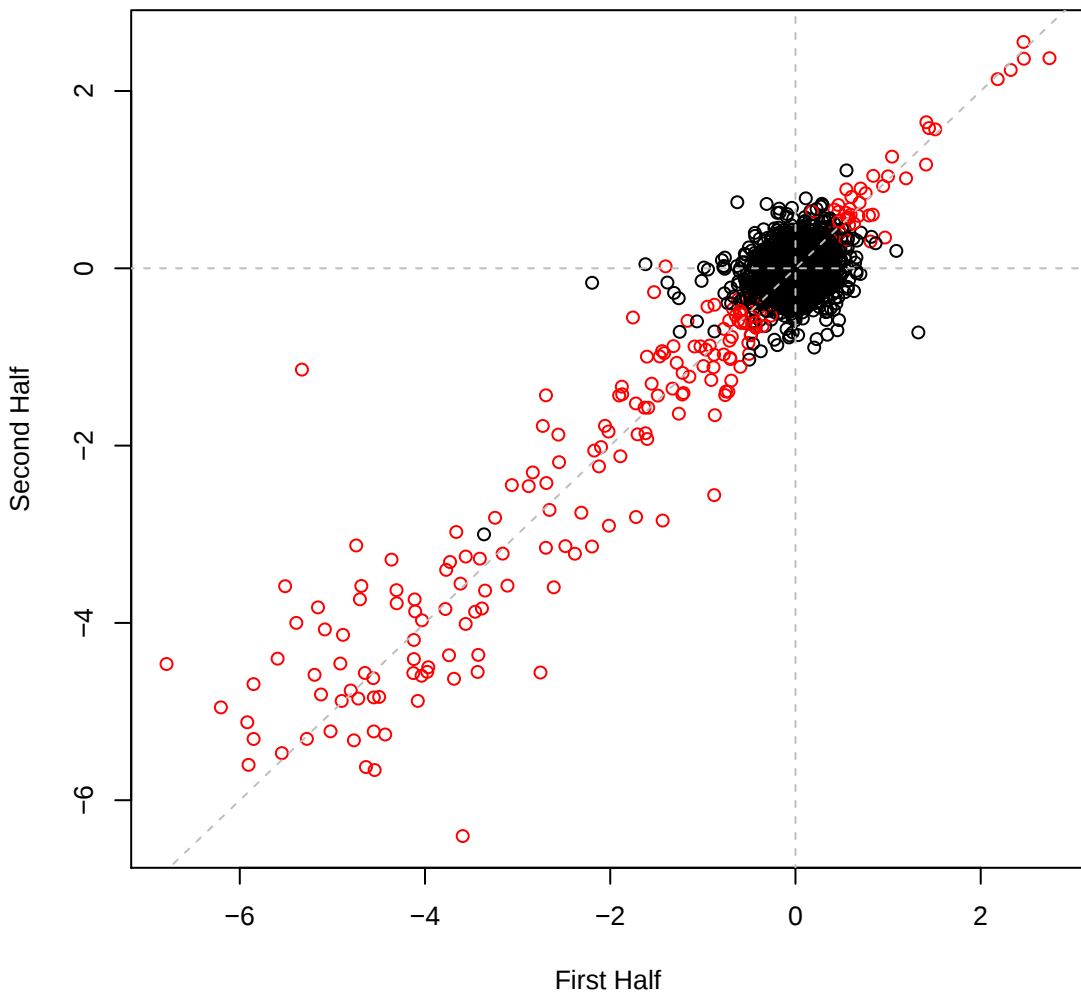
**Keio set1IT083 #83 (gMed=174 rho12=0.348)**  
**L-Alanine (N)**



Keio set1IT084 #84 (gMed=186 rho12=0.324)  
L-Alanine (N)

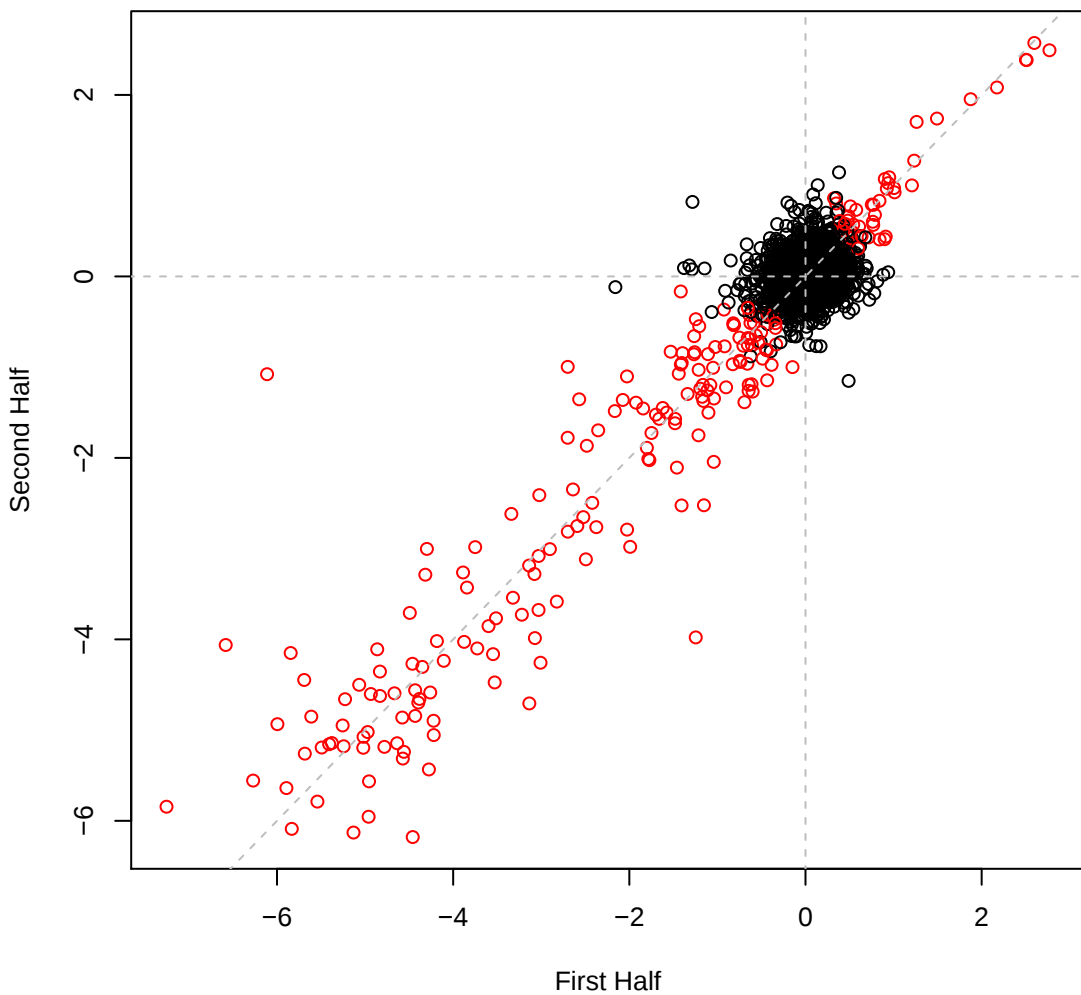


**Keio set1IT085 #85 (gMed=169 rho12=0.337)**  
**D-Serine (N)**

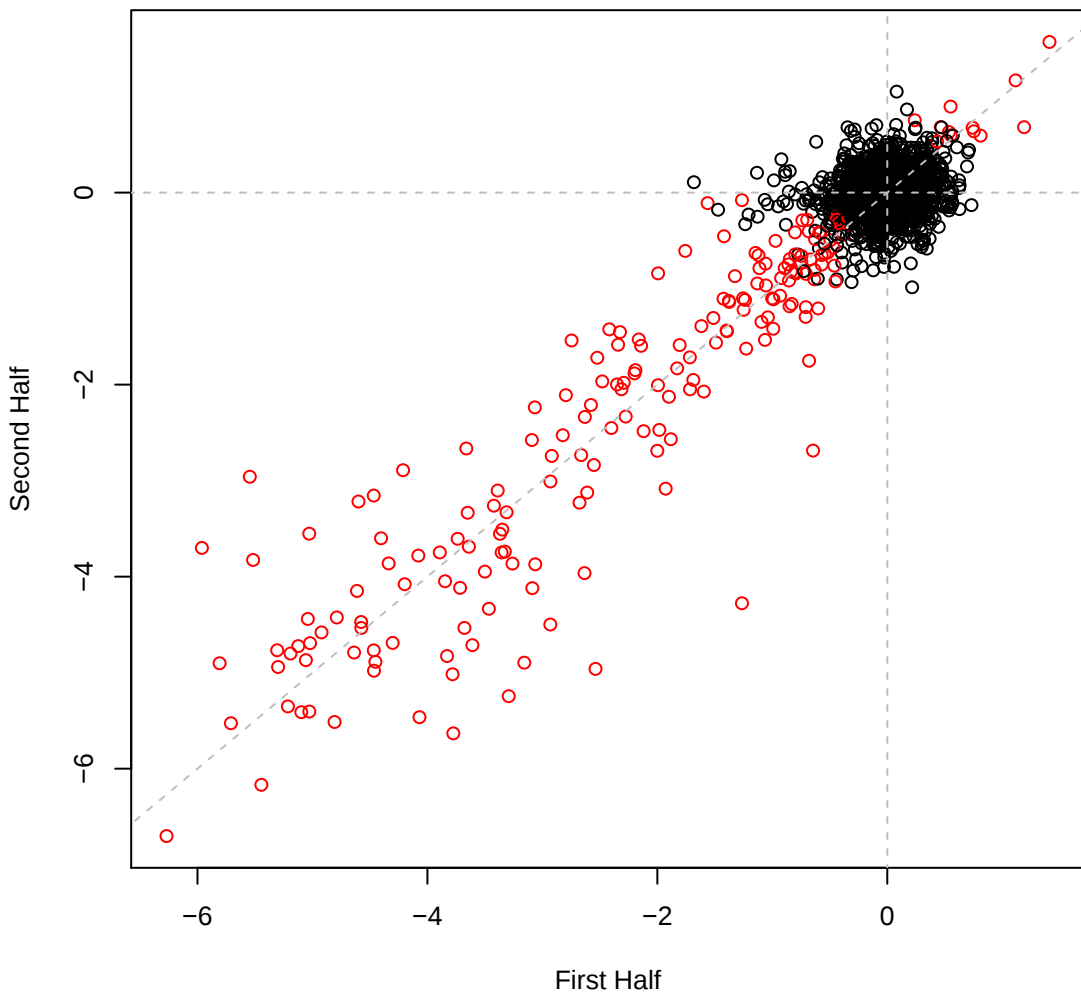


Keio set1IT086 #86 (gMed=175 rho12=0.340)

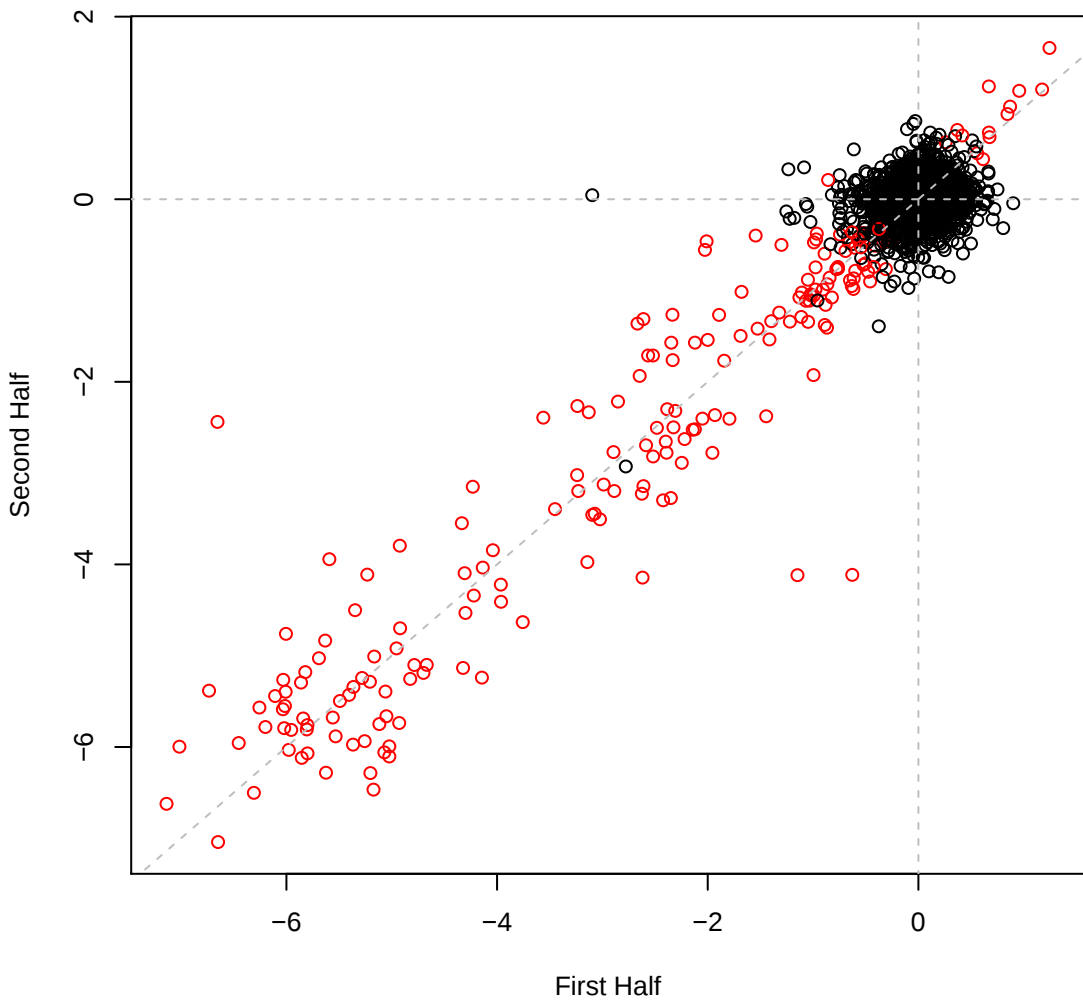
D-Serine (N)



**Keio set1IT087 #87 (gMed=174 rho12=0.326)**  
**D-Alanine (N)**

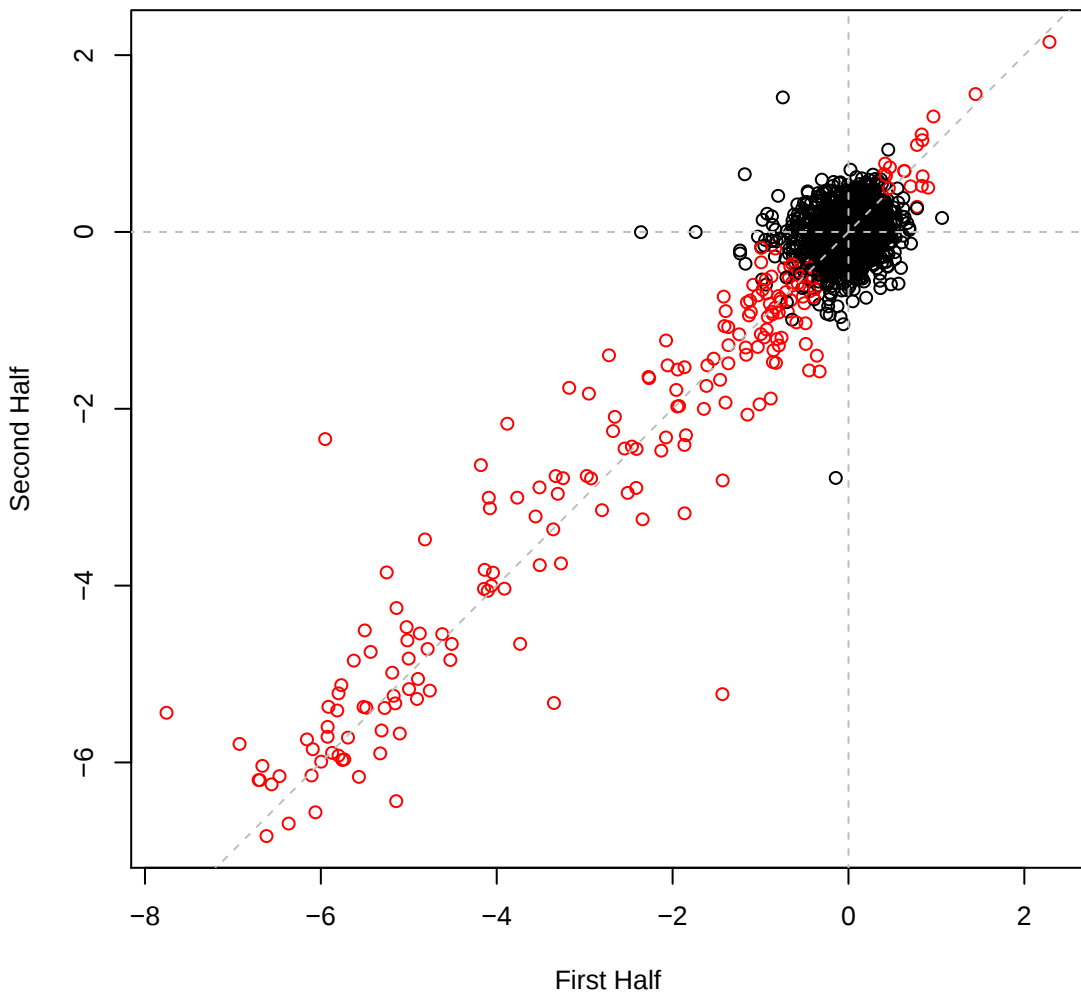


**Keio set1IT088 #88 (gMed=156 rho12=0.347)**  
**D-Alanine (N)**



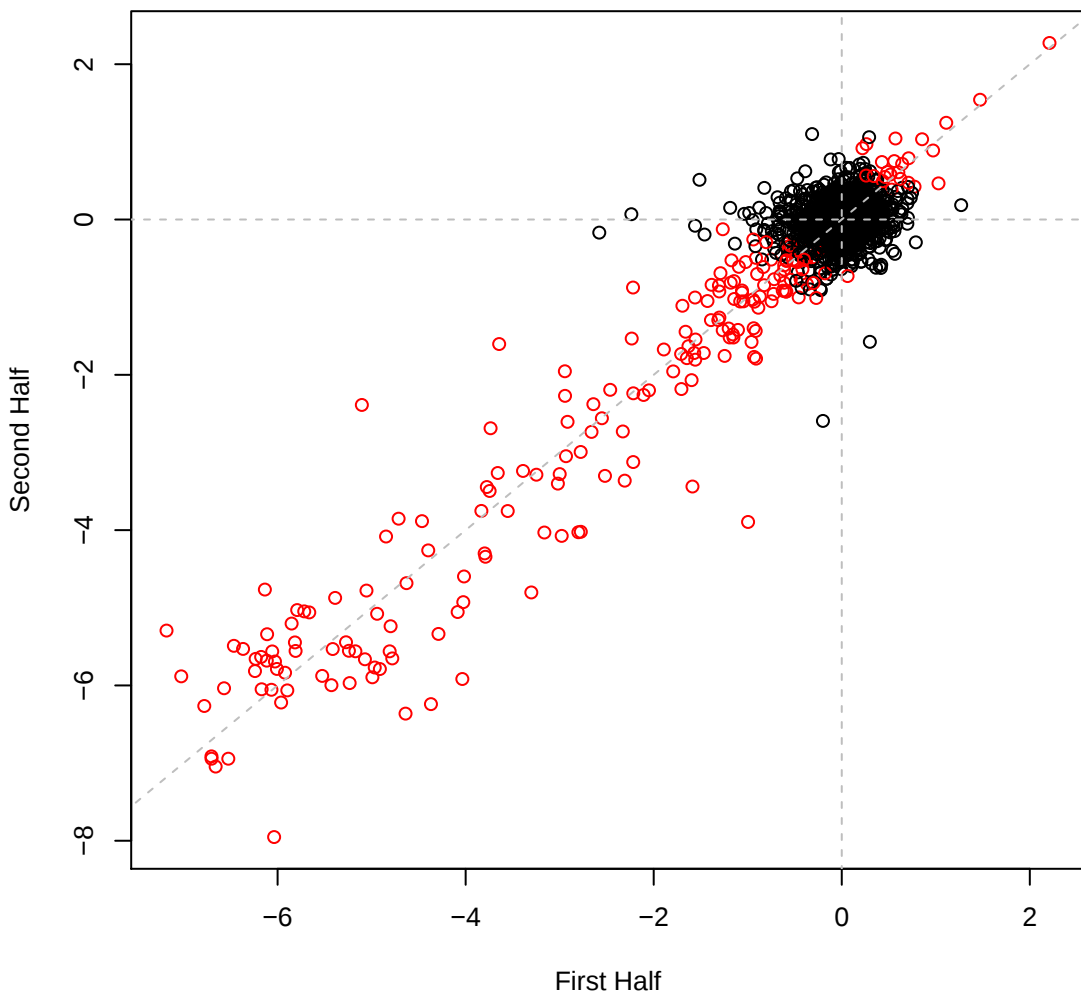
Keio set1IT089 #89 (gMed=143 rho12=0.367)

Gly-DL-Asp (N)

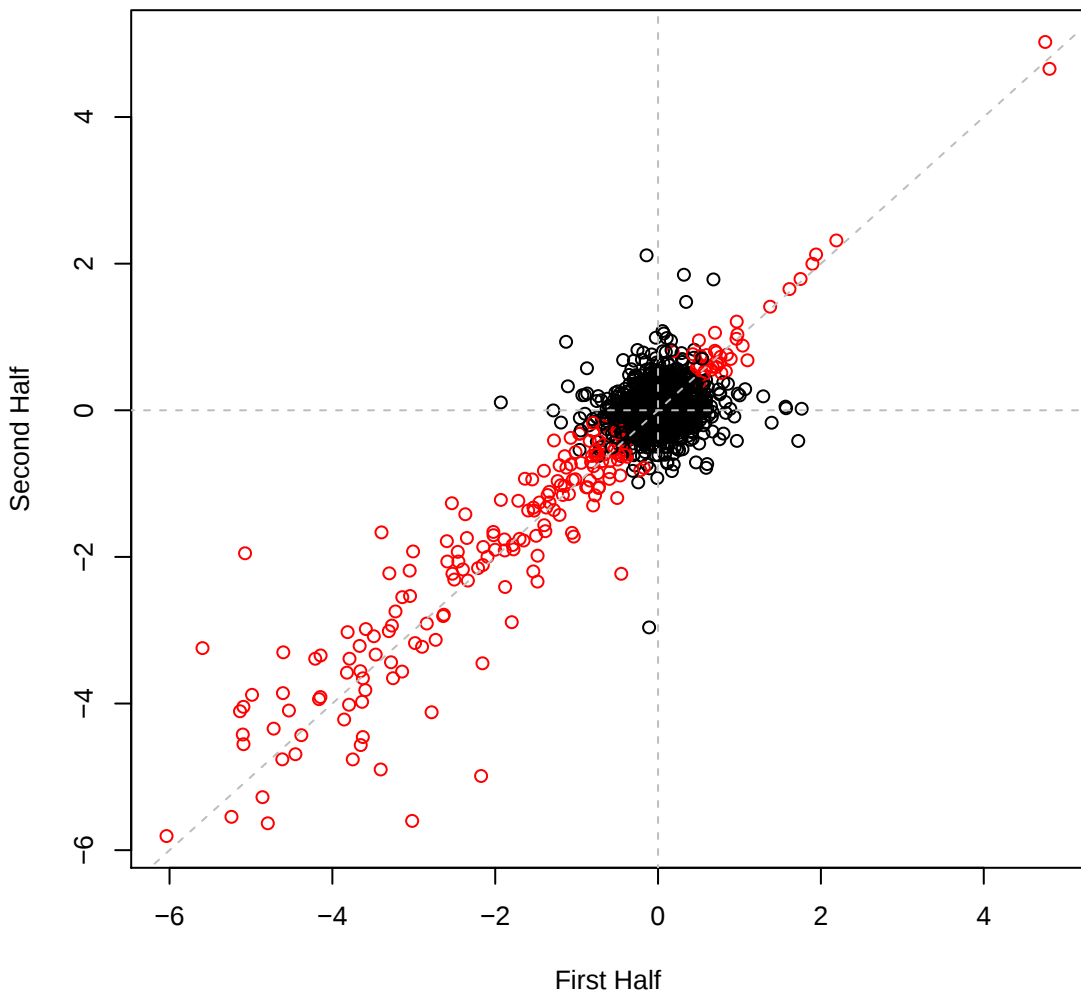


Keio set1IT090 #90 (gMed=158 rho12=0.376)

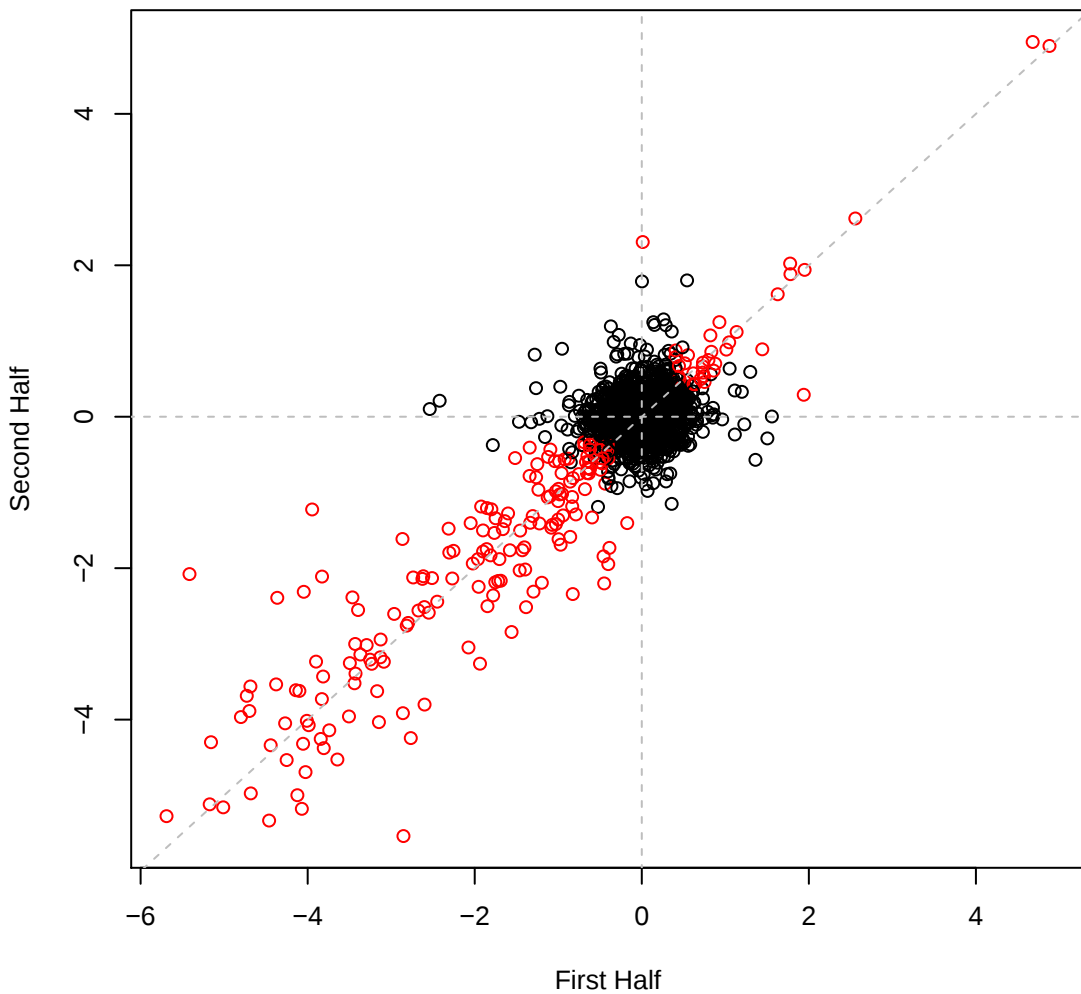
Gly-DL-Asp (N)



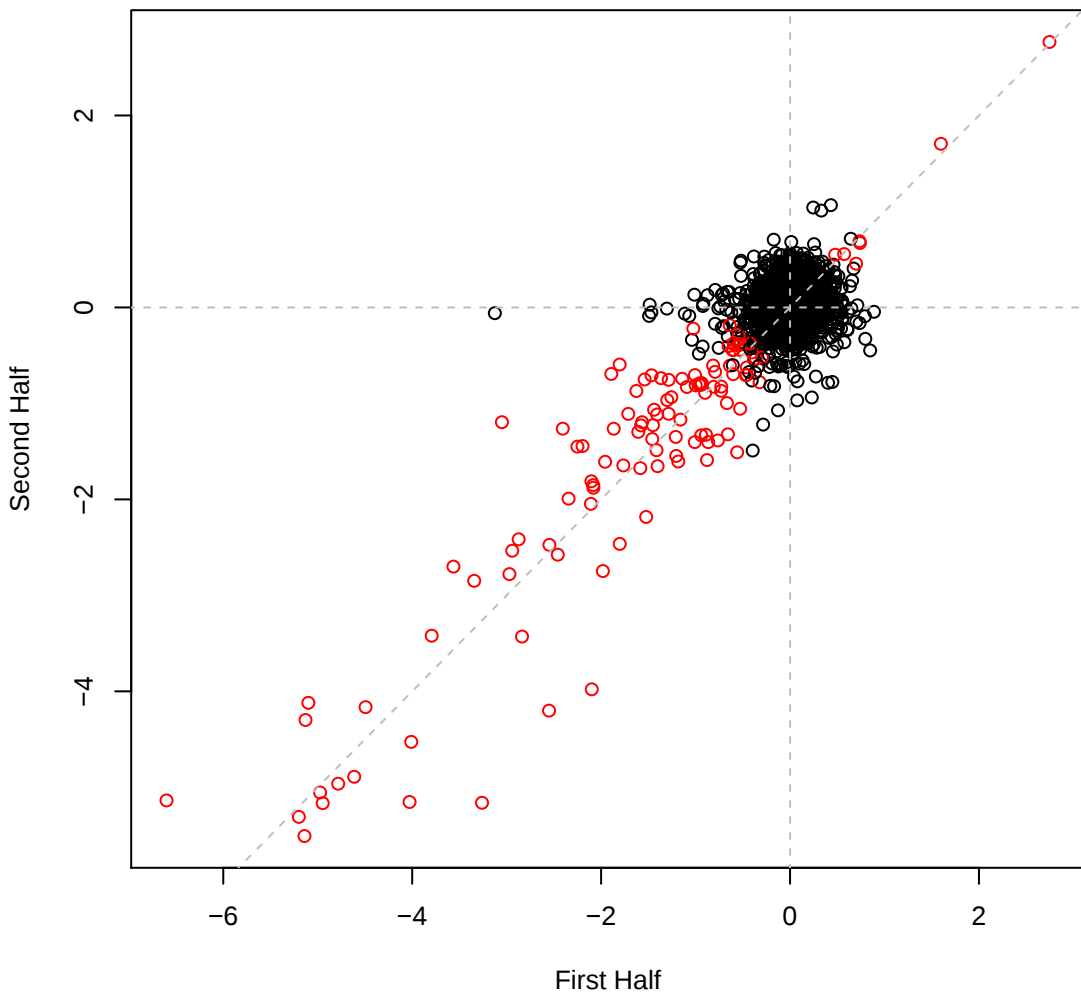
Keio set1IT091 #91 (gMed=194 rho12=0.340)  
Gly-Glu (N)



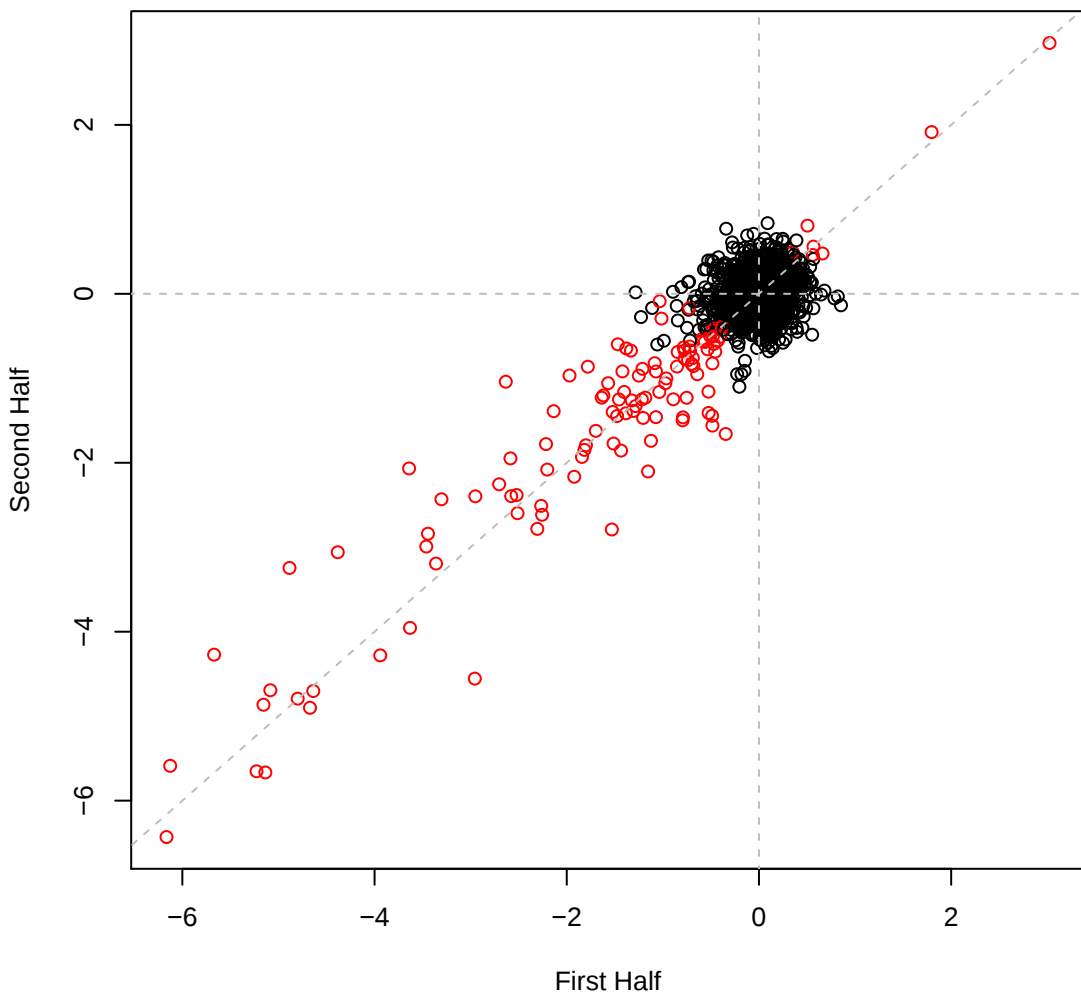
Keio set1IT092 #92 (gMed=169 rho12=0.308)  
Gly-Glu (N)



**Keio set1IT093 #93 (gMed=157 rho12=0.249)**  
**casaminos (N)**

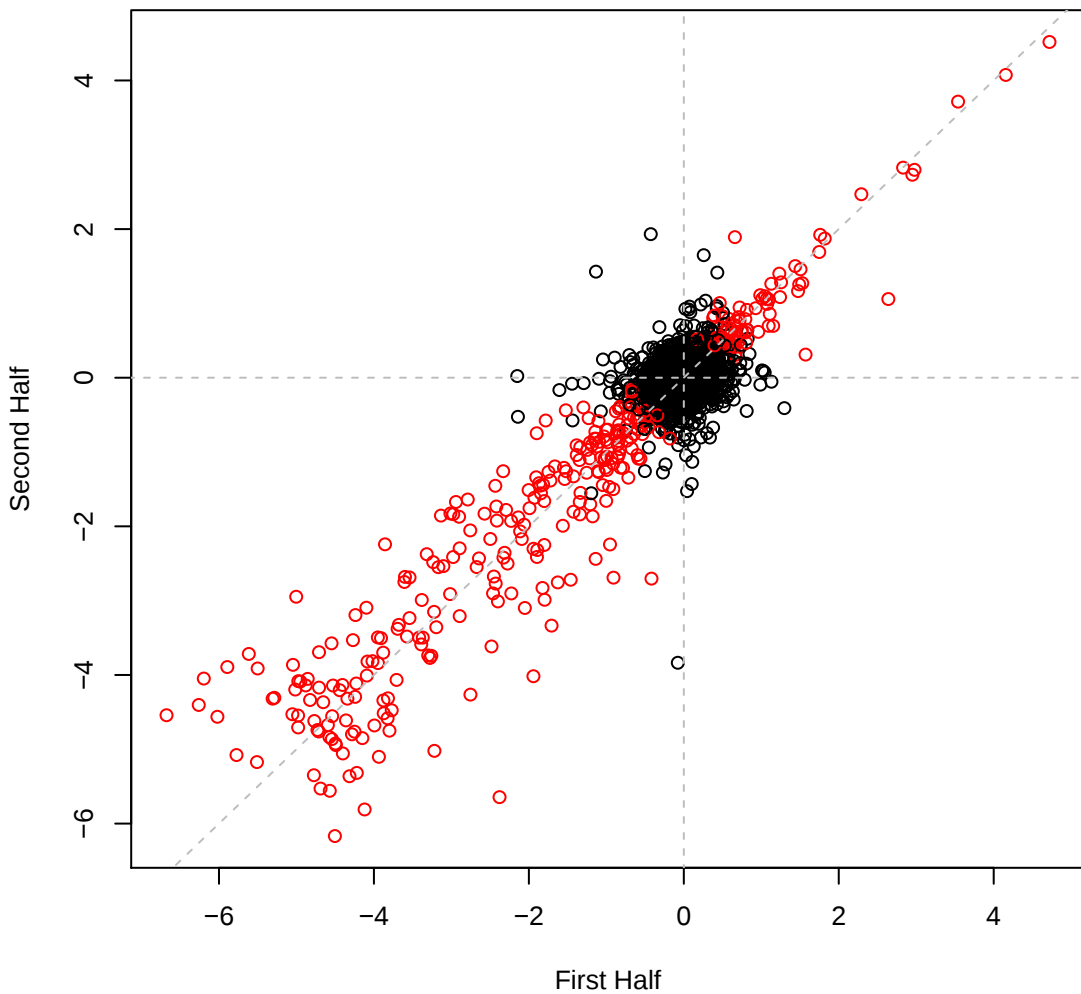


**Keio set1IT094 #94 (gMed=186 rho12=0.226)**  
**casaminos (N)**



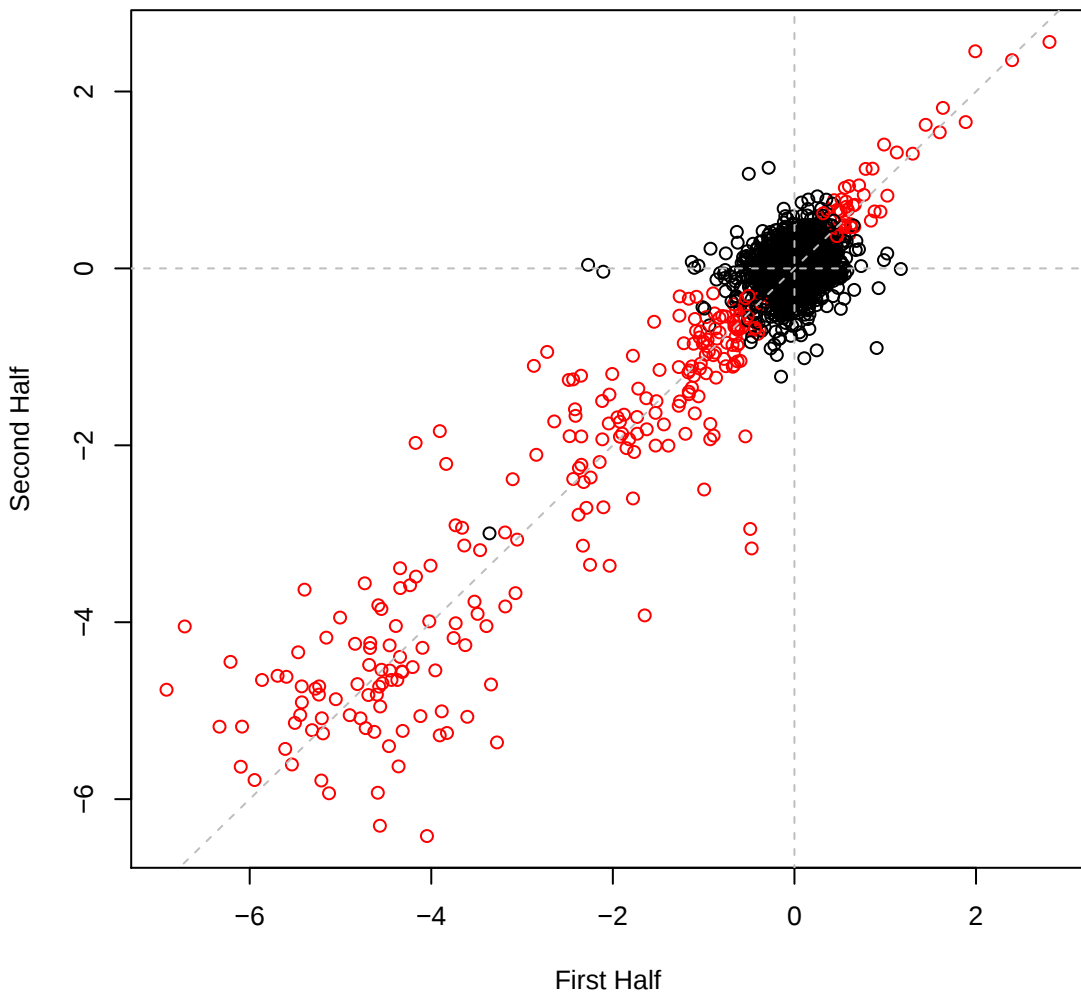
Keio set1IT095 #95 (gMed=190 rho12=0.474)

Putrescine (N)



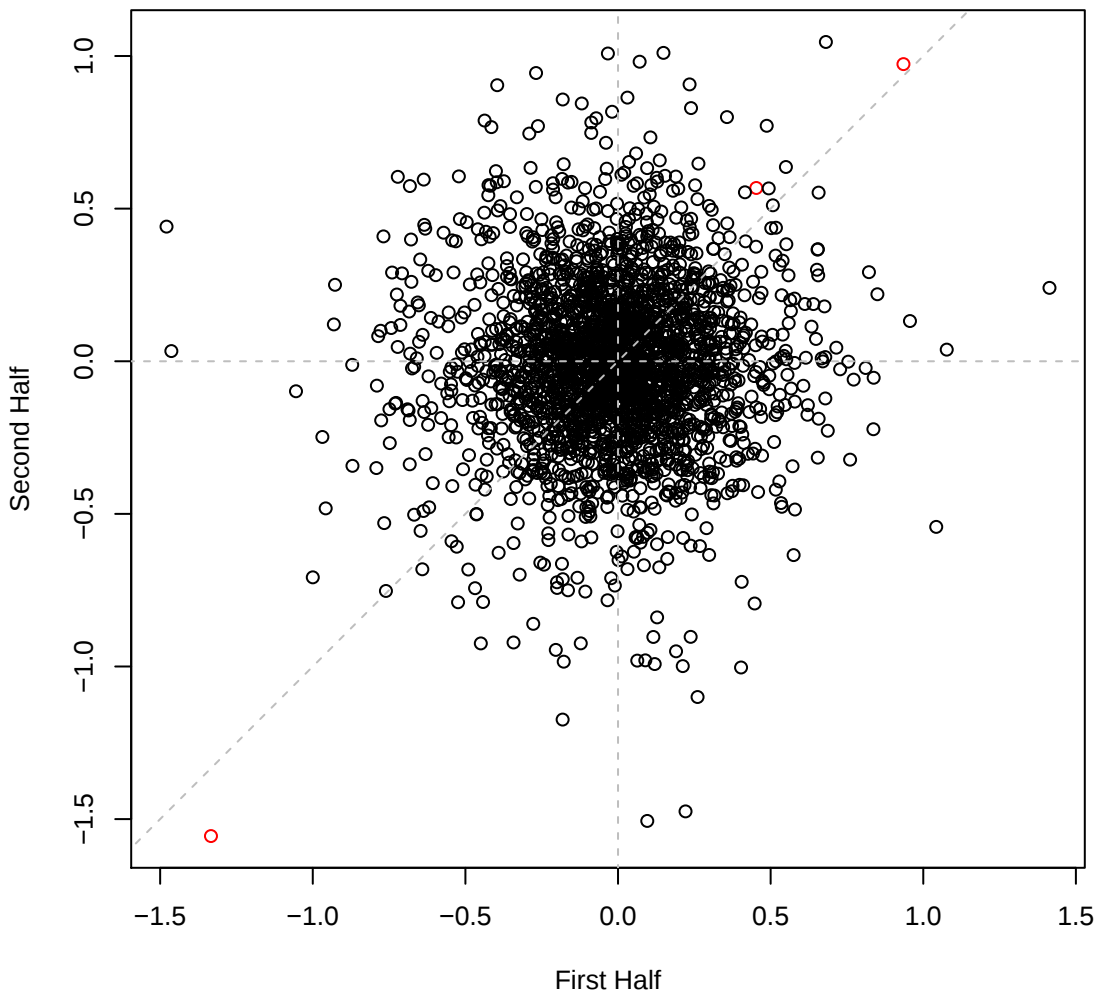
Keio set1IT096 #96 (gMed=195 rho12=0.450)

Putrescine (N)



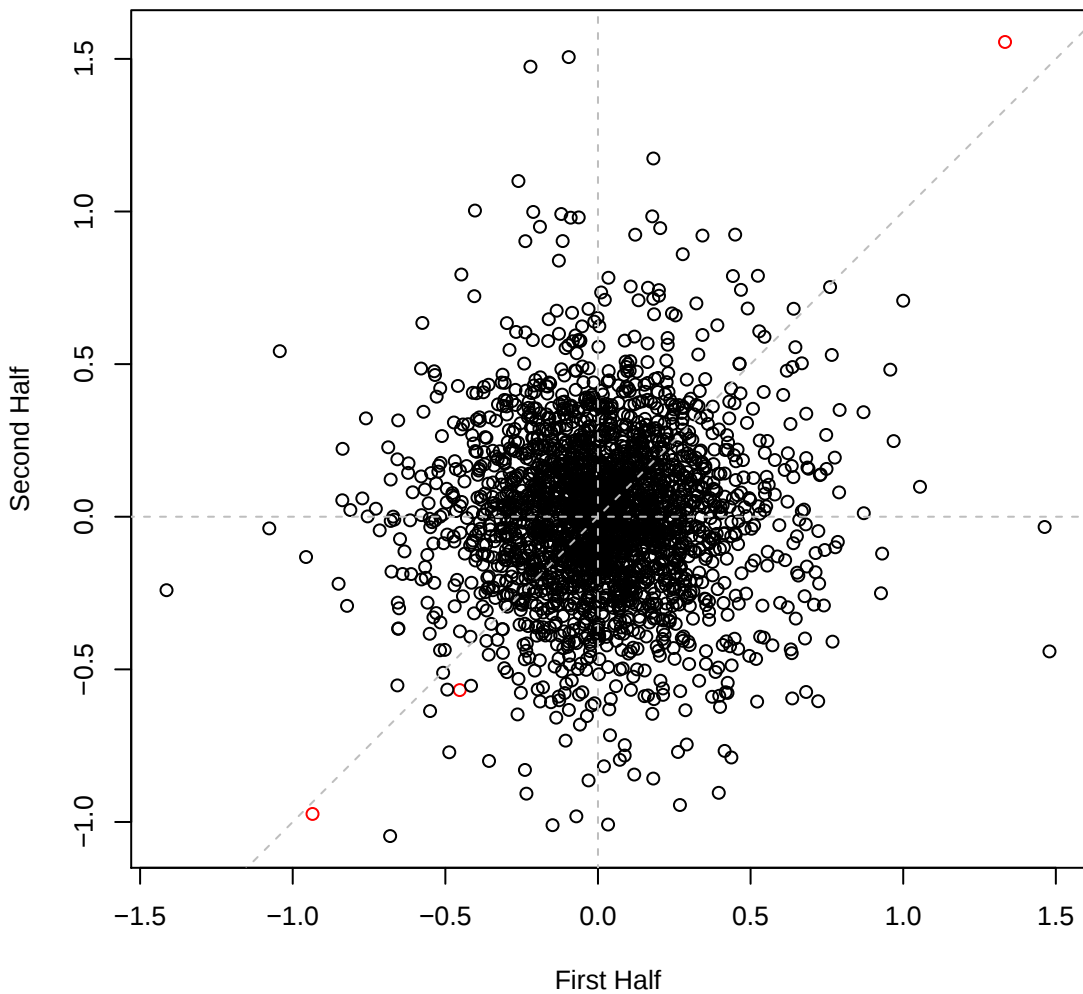
Keio set2IT001 #97 (gMed=98 rho12=0.011)

Time0

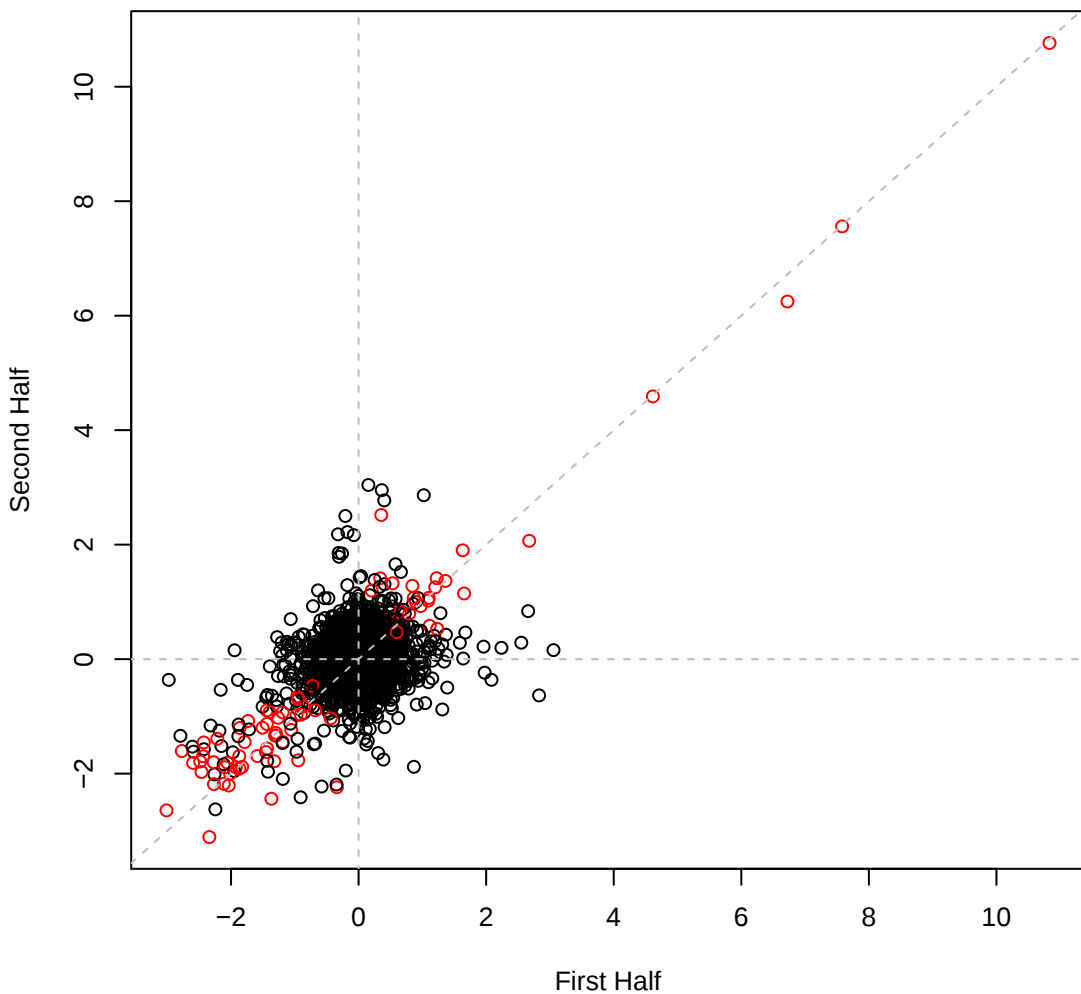


Keio set2IT002 #98 (gMed=123 rho12=0.011)

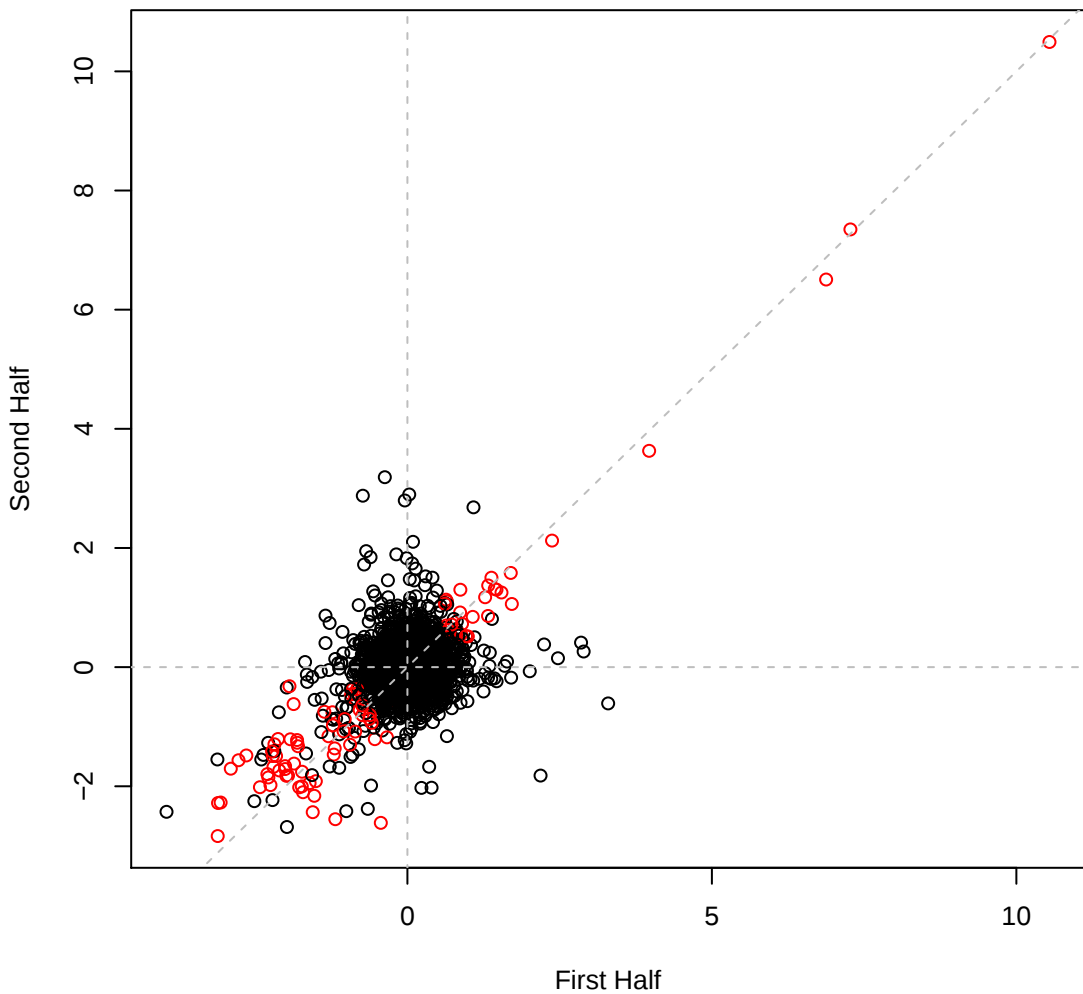
Time0



Keio set2IT003 #99 (gMed=37 rho12=0.208)  
NAG (N)

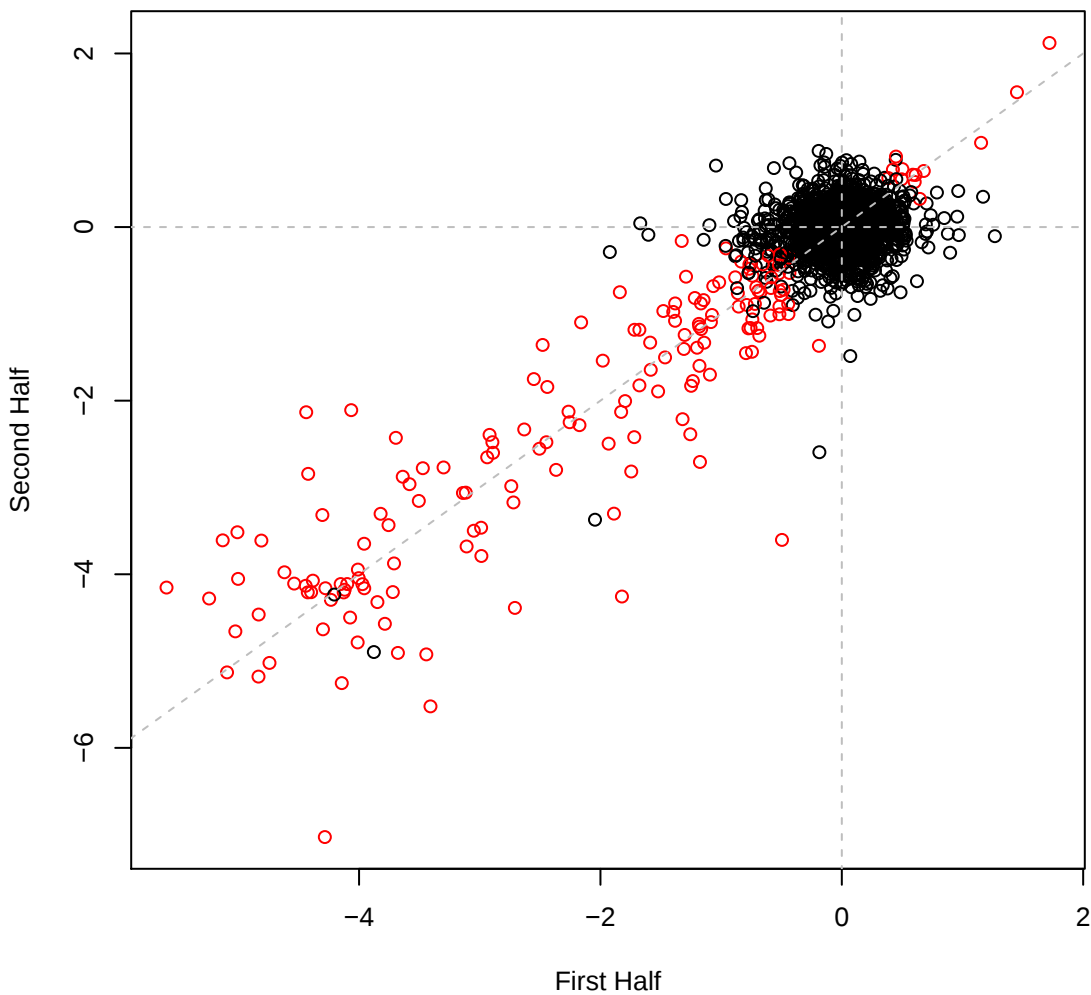


Keio set2IT004 #100 (gMed=42 rho12=0.202)  
NAG (N)

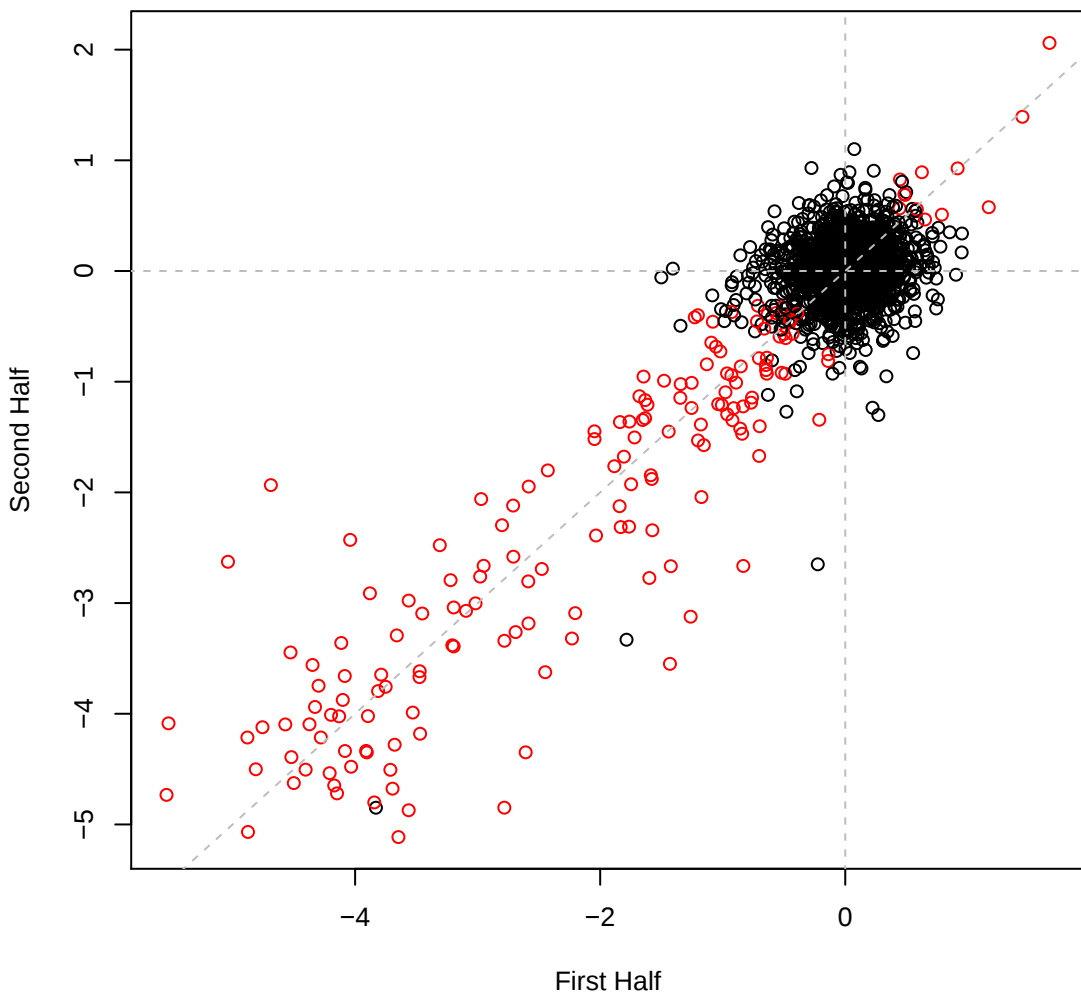


Keio set2IT005 #101 (gMed=134 rho12=0.265)

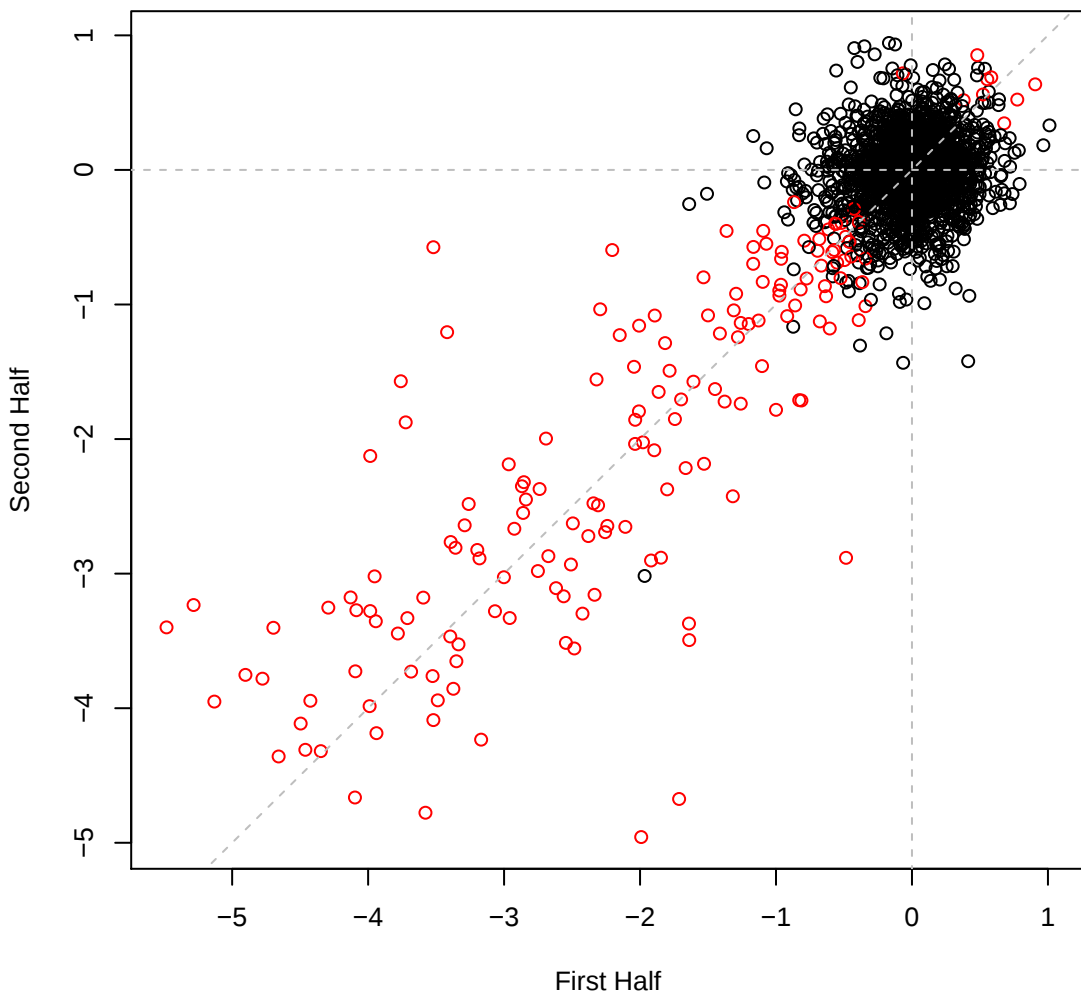
Adenosine (N)



**Keio set2IT006 #102 (gMed=130 rho12=0.286)**  
**Adenosine (N)**

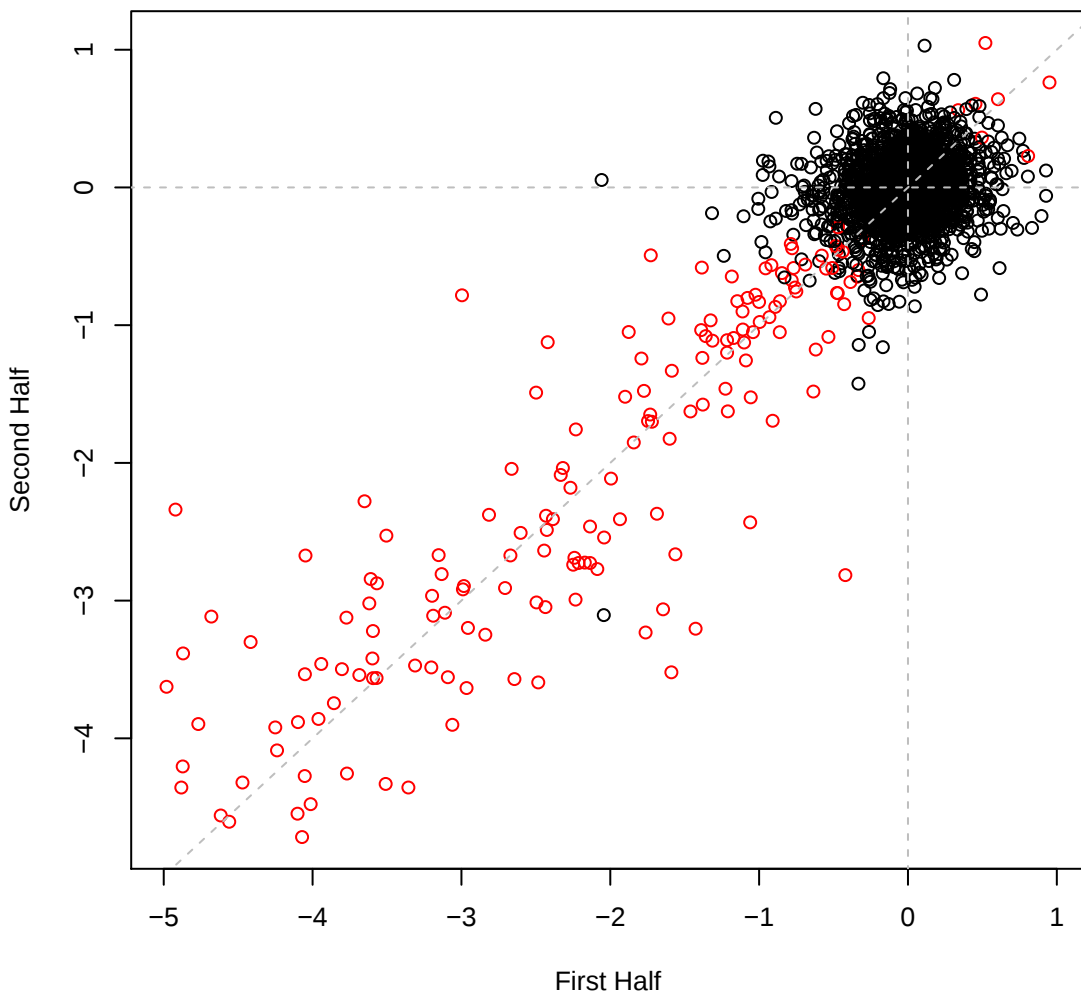


Keio set2IT007 #103 (gMed=126 rho12=0.266)  
Cytidine (N)

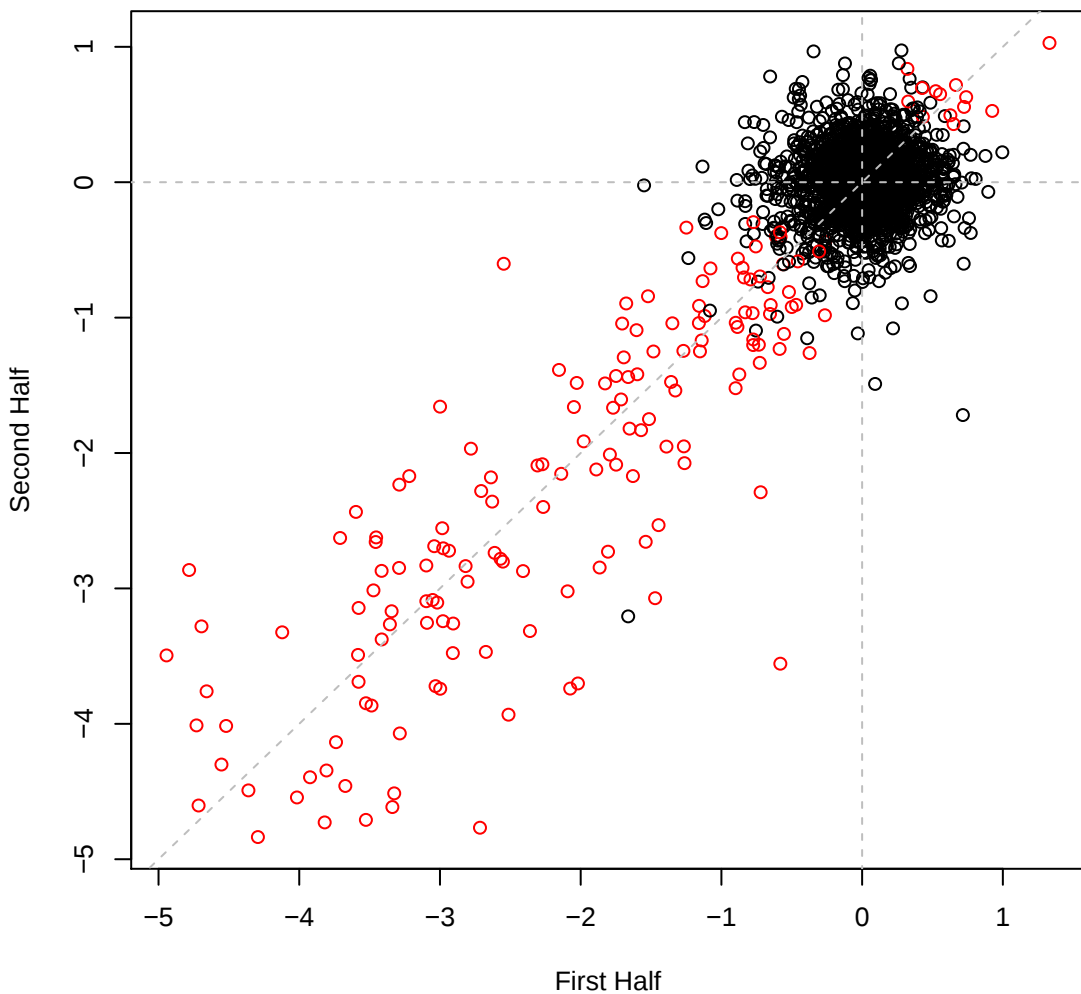


Keio set2IT008 #104 (gMed=138 rho12=0.307)

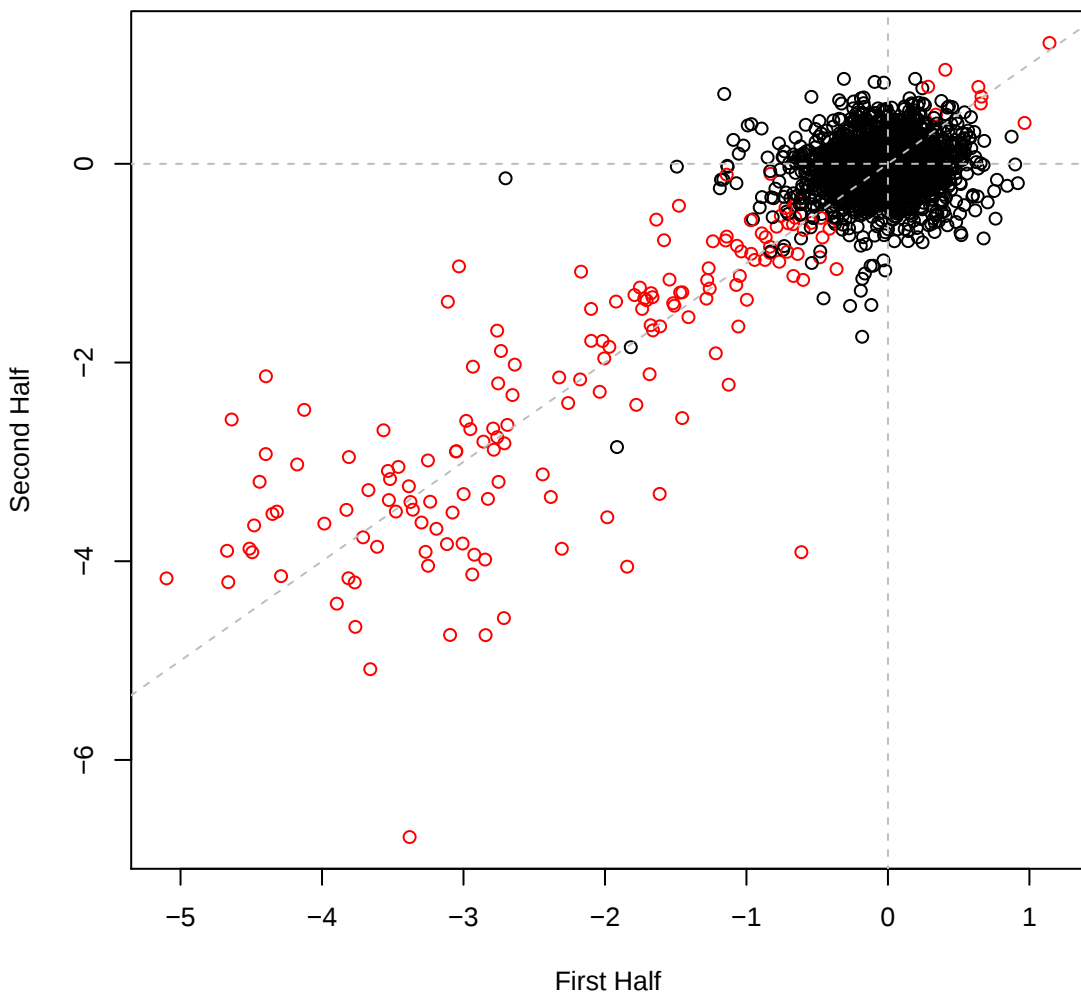
Cytidine (N)



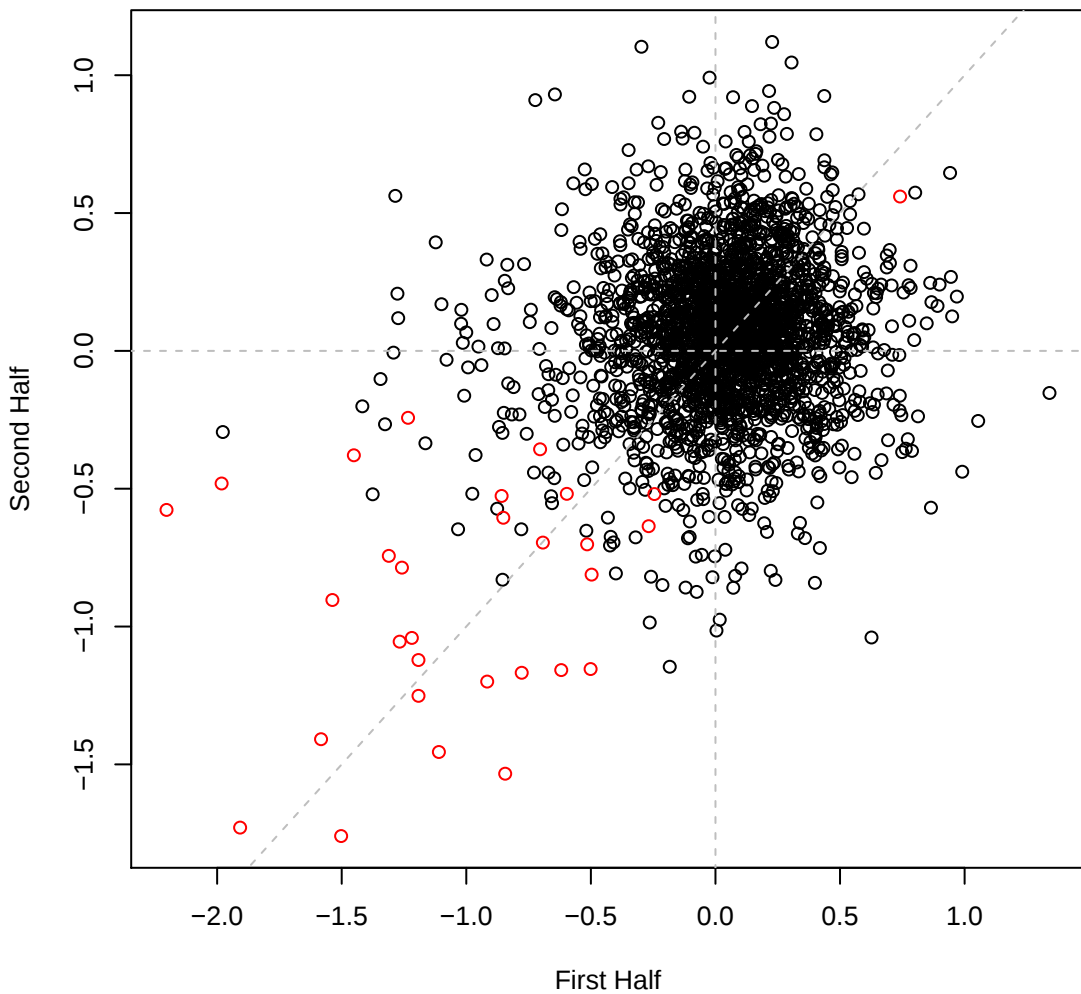
**Keio set2IT009 #105 (gMed=116 rho12=0.245)**  
**Ammonium chloride (N)**



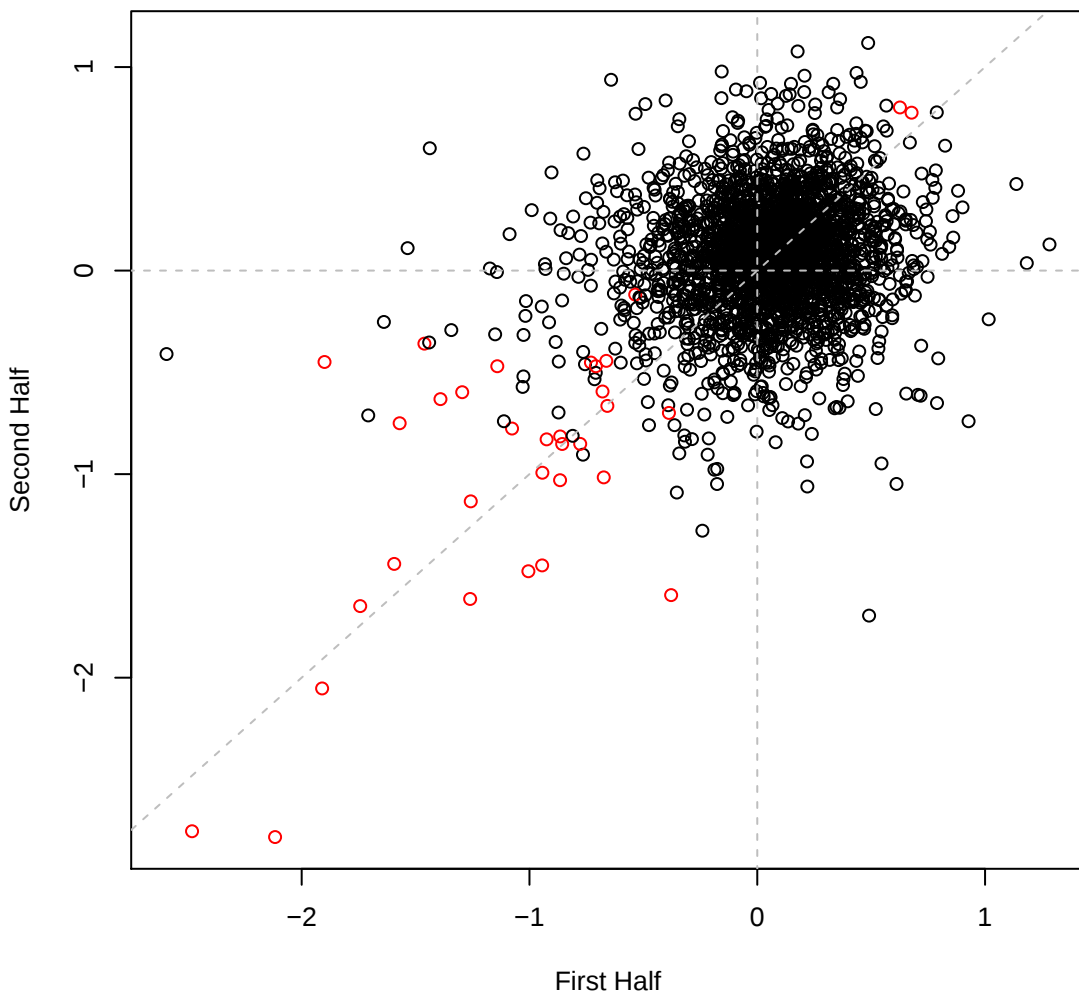
**Keio set2IT010 #106 (gMed=105 rho12=0.270)**  
**Ammonium chloride (N)**



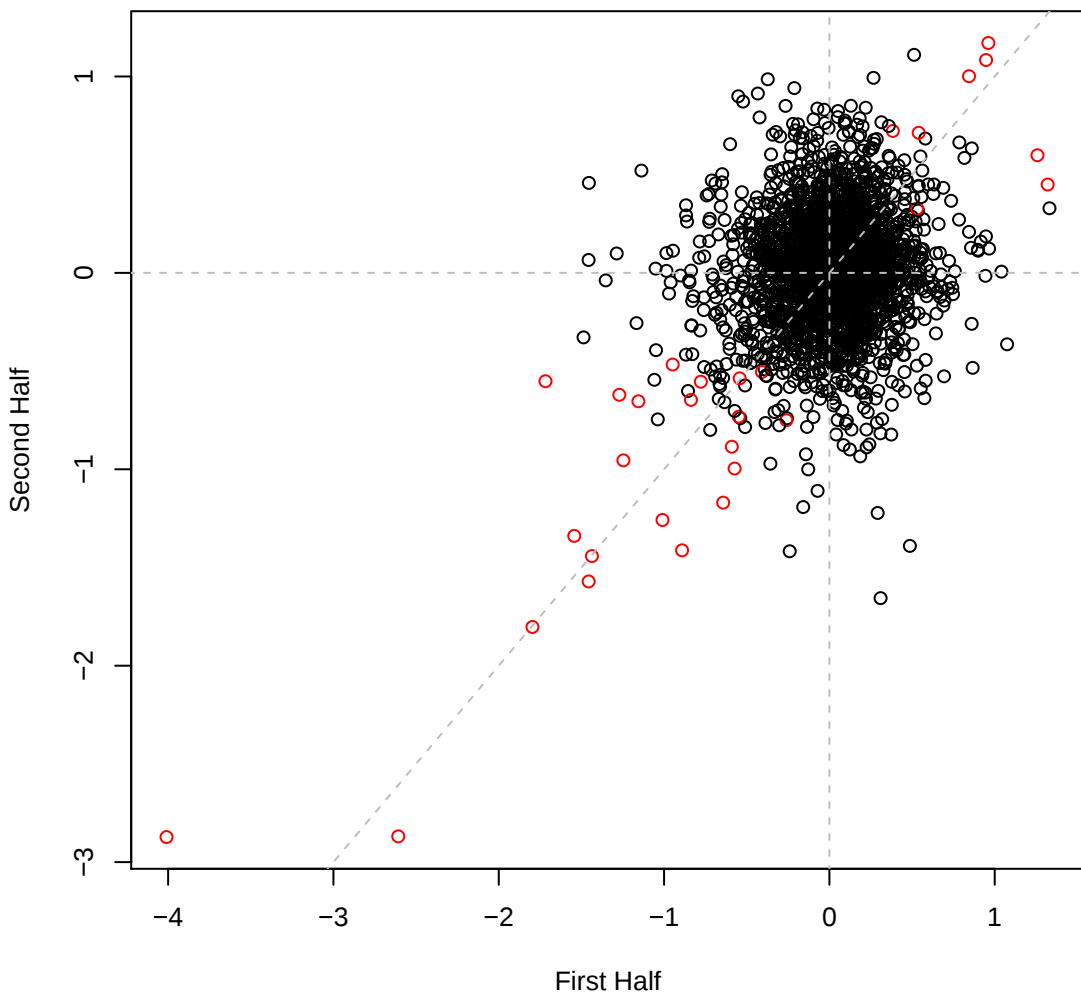
**Keio set2IT013 #109 (gMed=121 rho12=0.106)**  
**nitrite 10 mM**



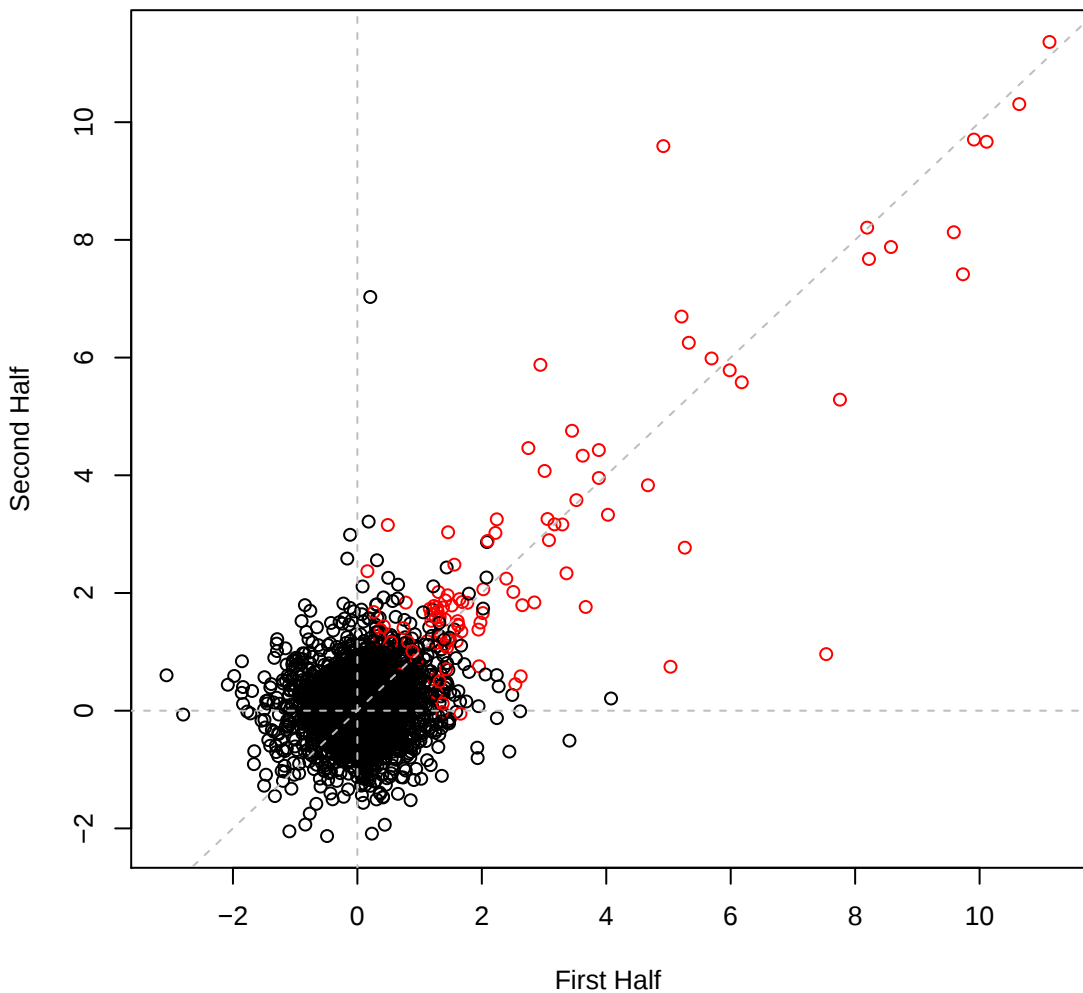
**Keio set2IT014 #110 (gMed=112 rho12=0.140)**  
**nitrite 20 mM**



**Keio set2IT015 #111 (gMed=114 rho12=0.090)**  
**nitrite 40 mM**

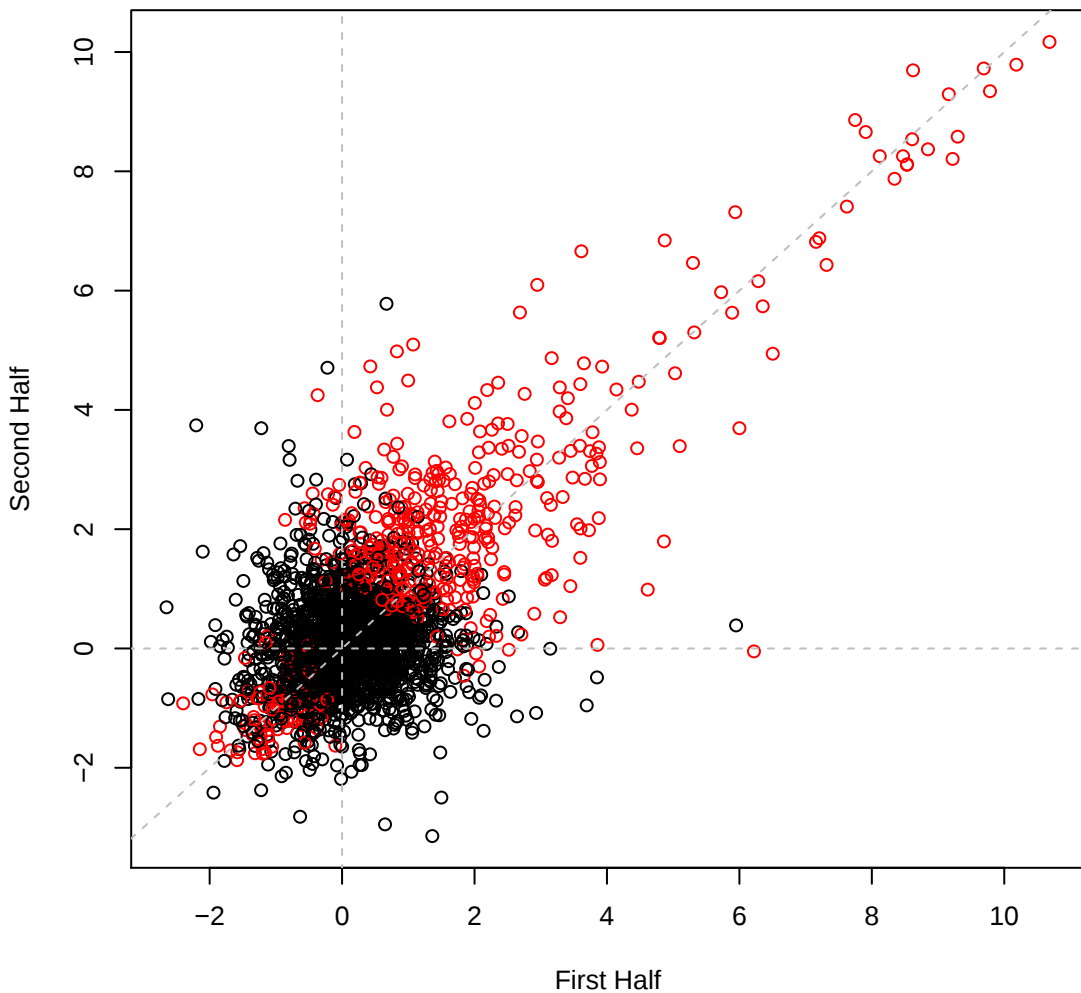


**Keio set2IT016 #112 (gMed=7 rho12=0.180)**  
**nitrate 300 mM**



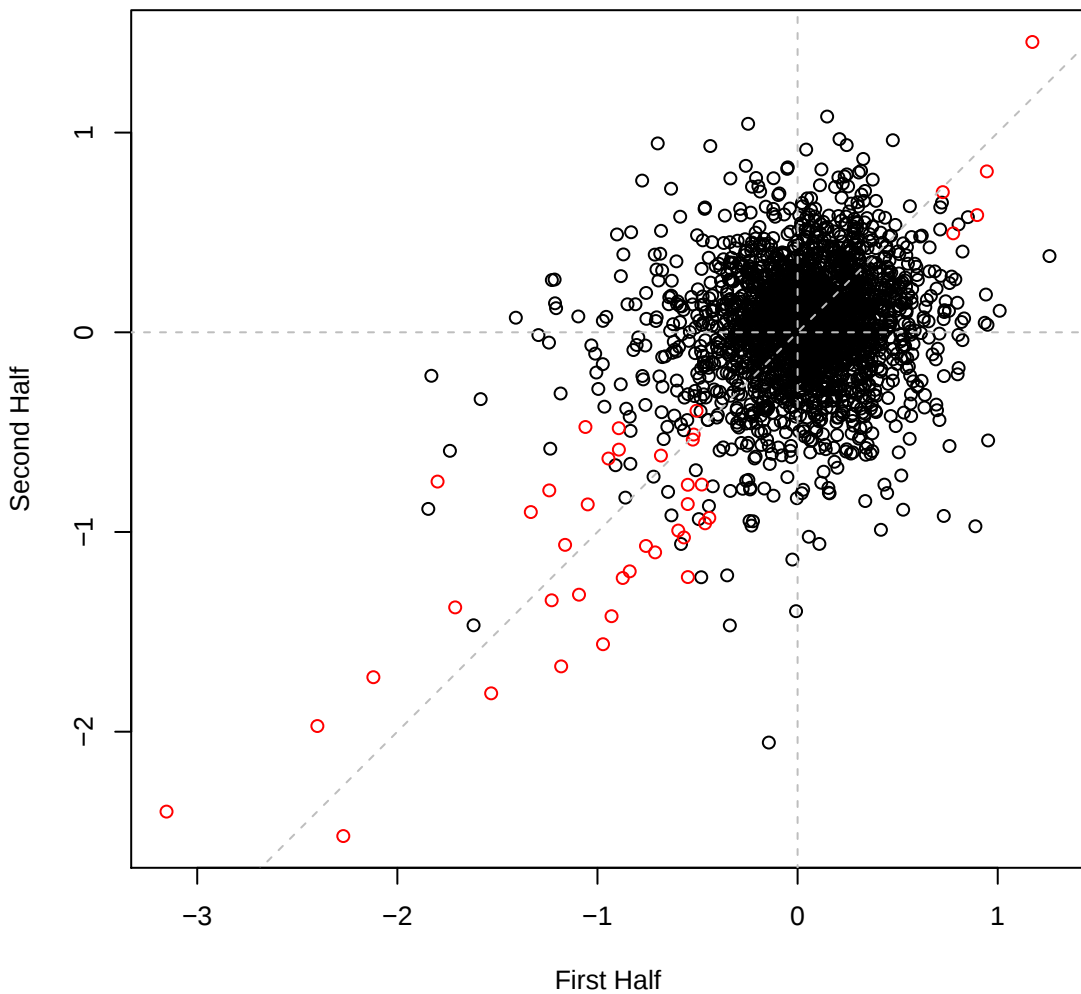
Keio set2IT017 #113 (gMed=9 rho12=0.426)

Sisomicin 0.005 mg/ml



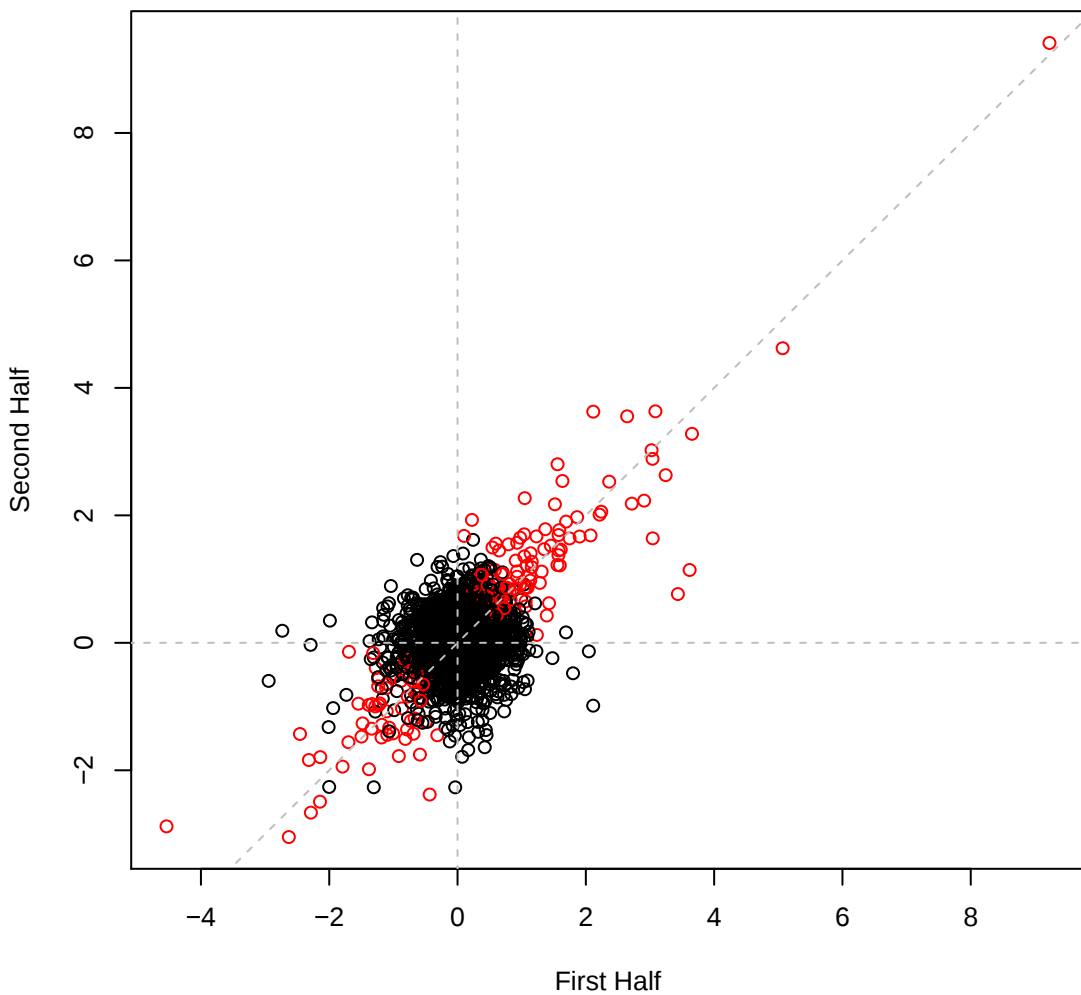
Keio set2IT018 #114 (gMed=120 rho12=0.138)

Chlorite 0.4 mM

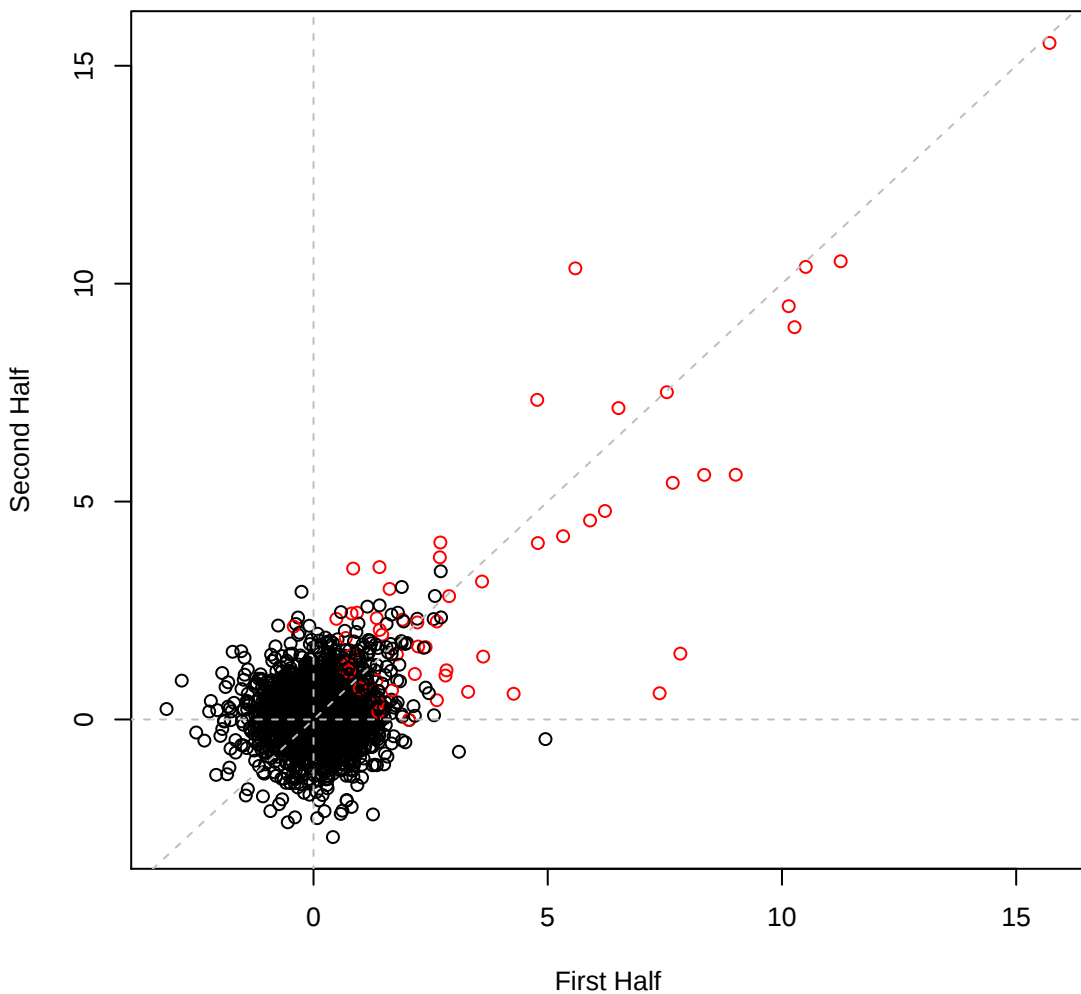


Keio set2IT019 #115 (gMed=83 rho12=0.255)

Chlorite 1.25 mM

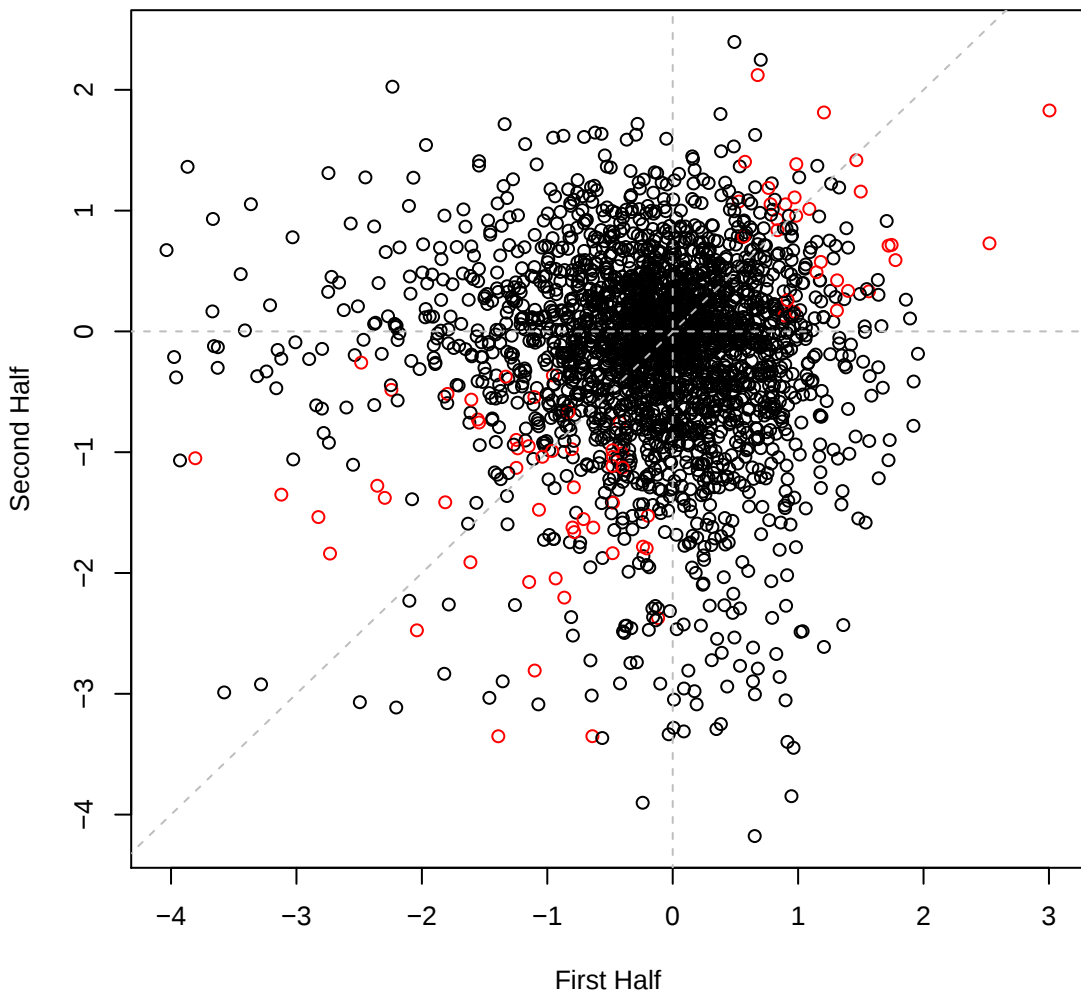


**Keio set2IT020 #116 (gMed=1 rho12=0.148)**  
**perchlorate 150 mM**



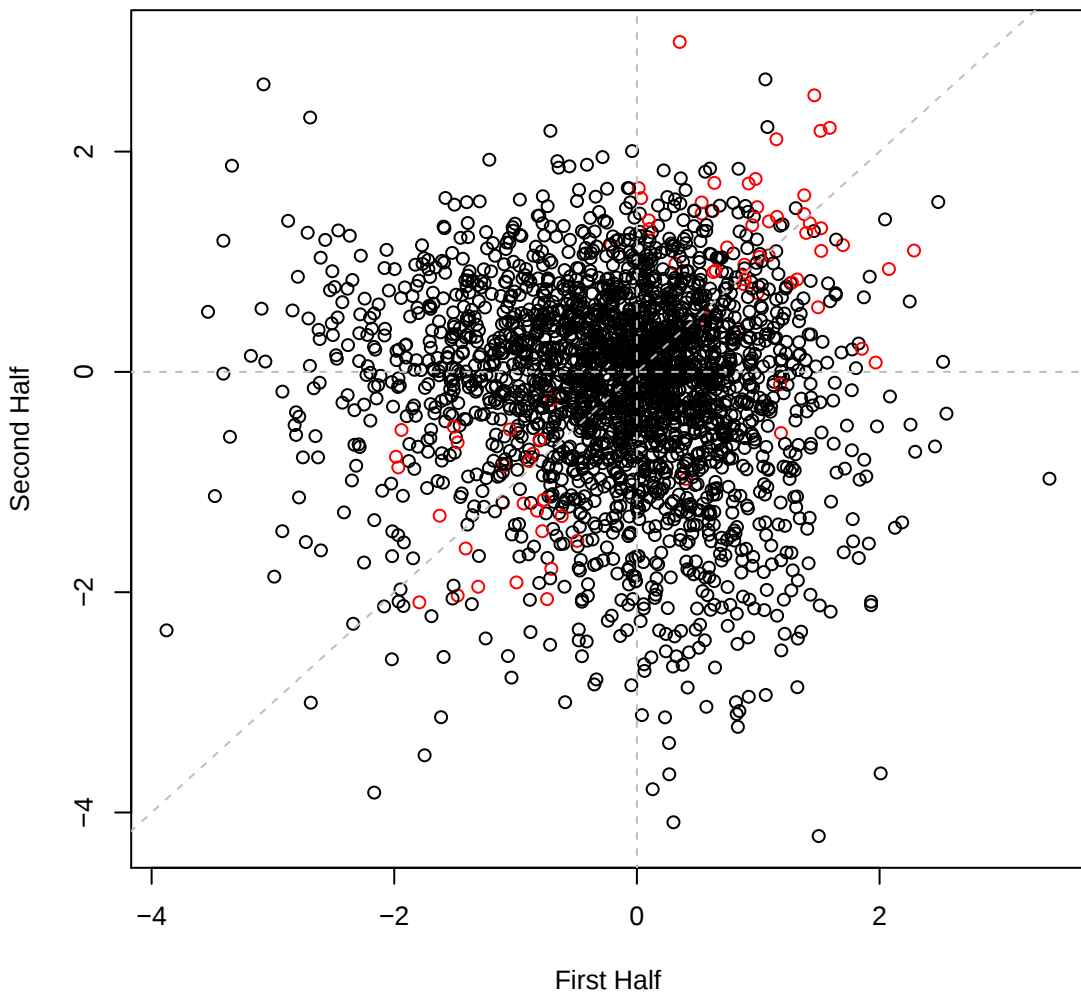
**Keio set2IT021 #117 (gMed=47 rho12=-0.012)**

**Polymyxin B sulfate 0.0005 mg/ml**

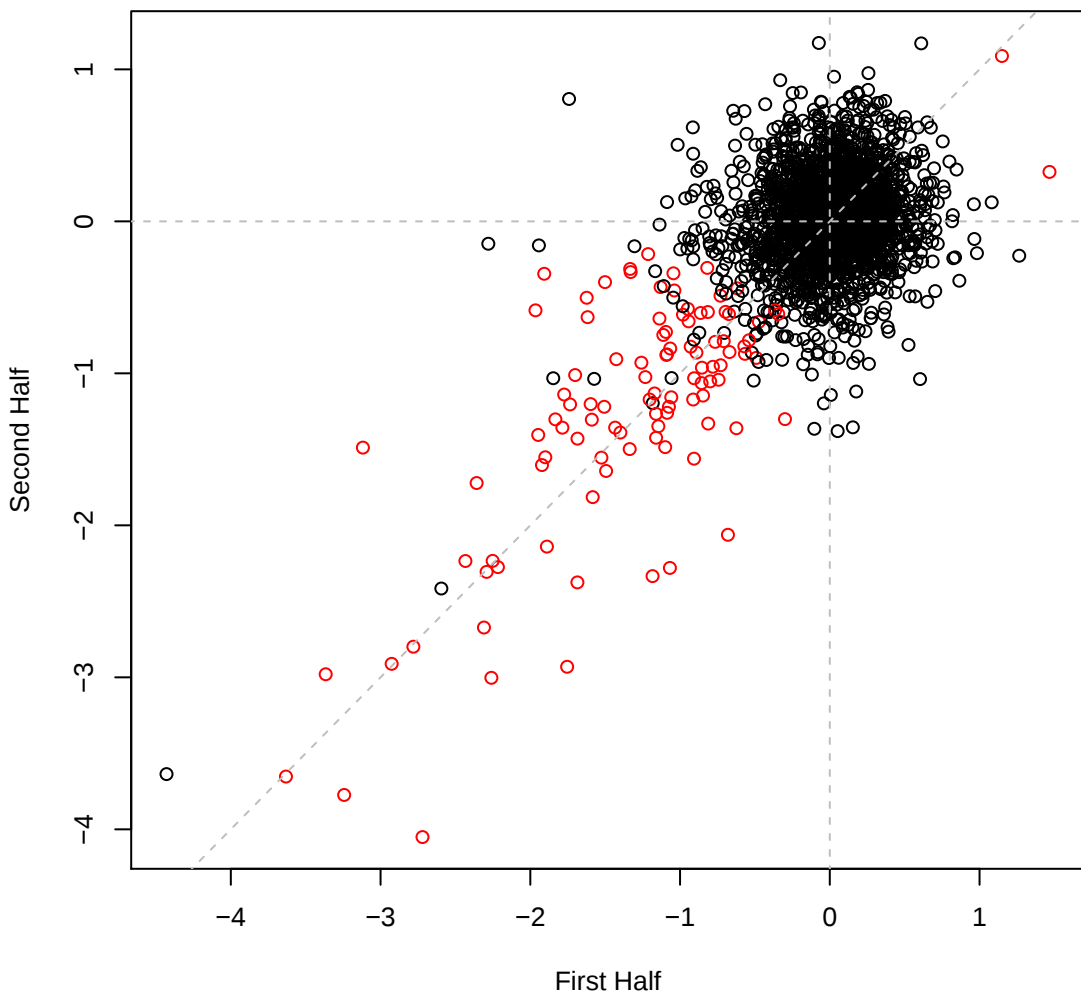


Keio set2IT022 #118 (gMed=25 rho12=-0.054)

Polymyxin B sulfate 0.001 mg/ml

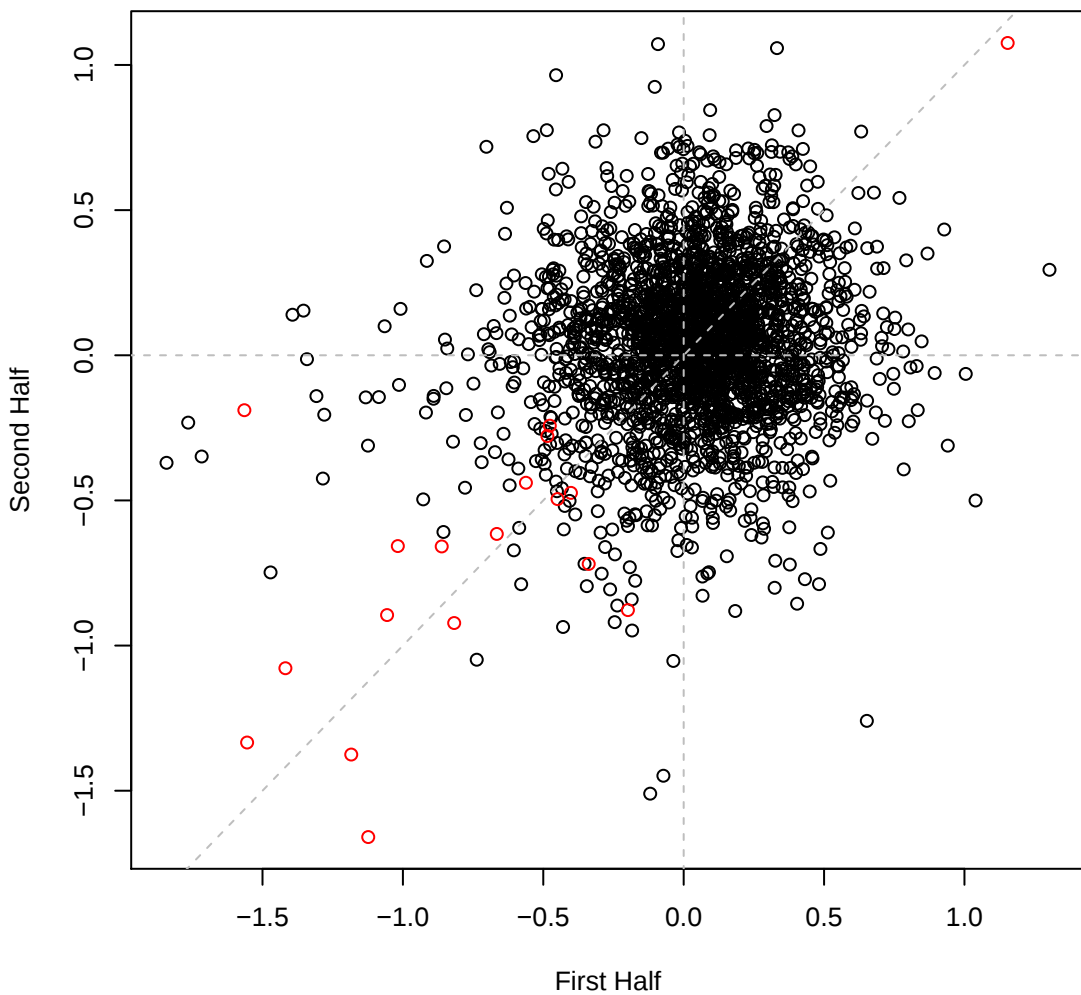


**Keio set2IT023 #119 (gMed=105 rho12=0.219)**  
**Chloride 750 mM**



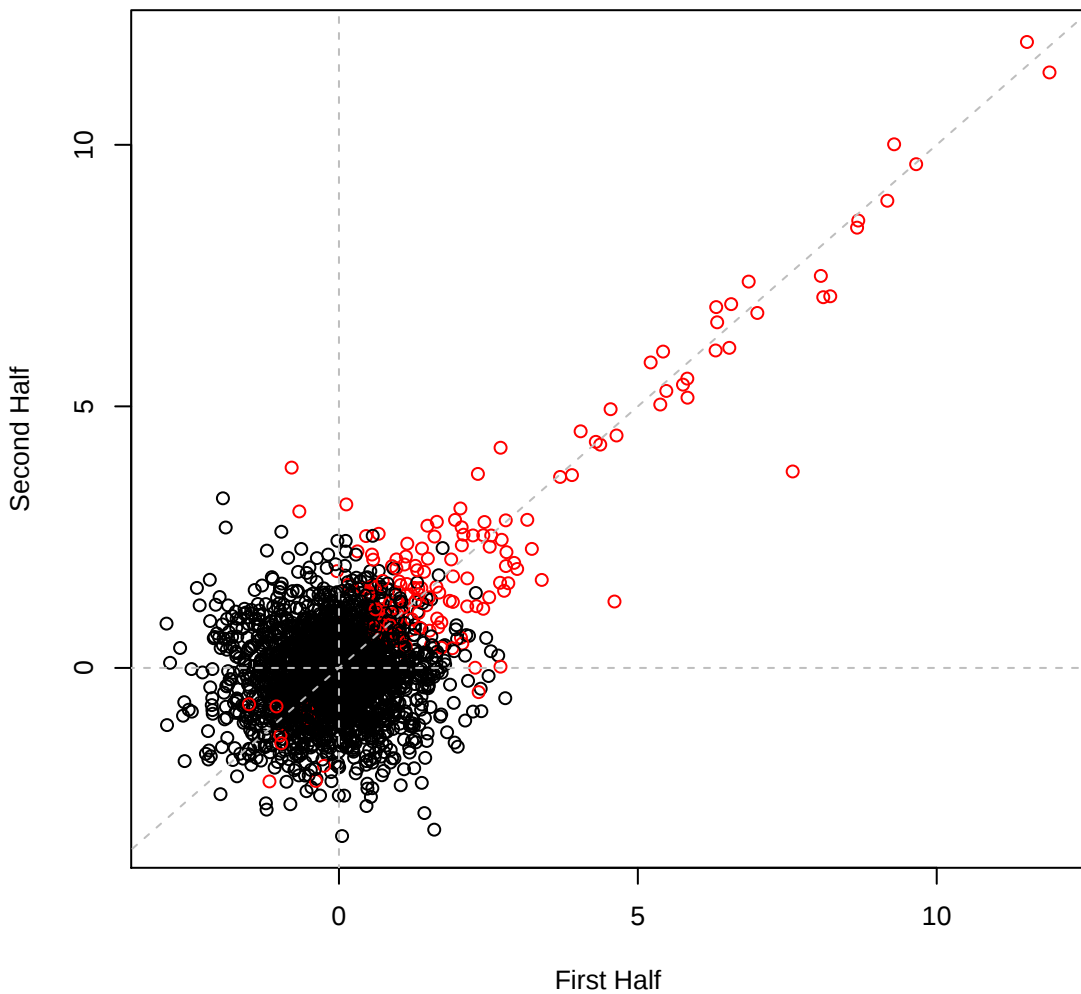
Keio set2IT024 #120 (gMed=118 rho12=0.083)

LB



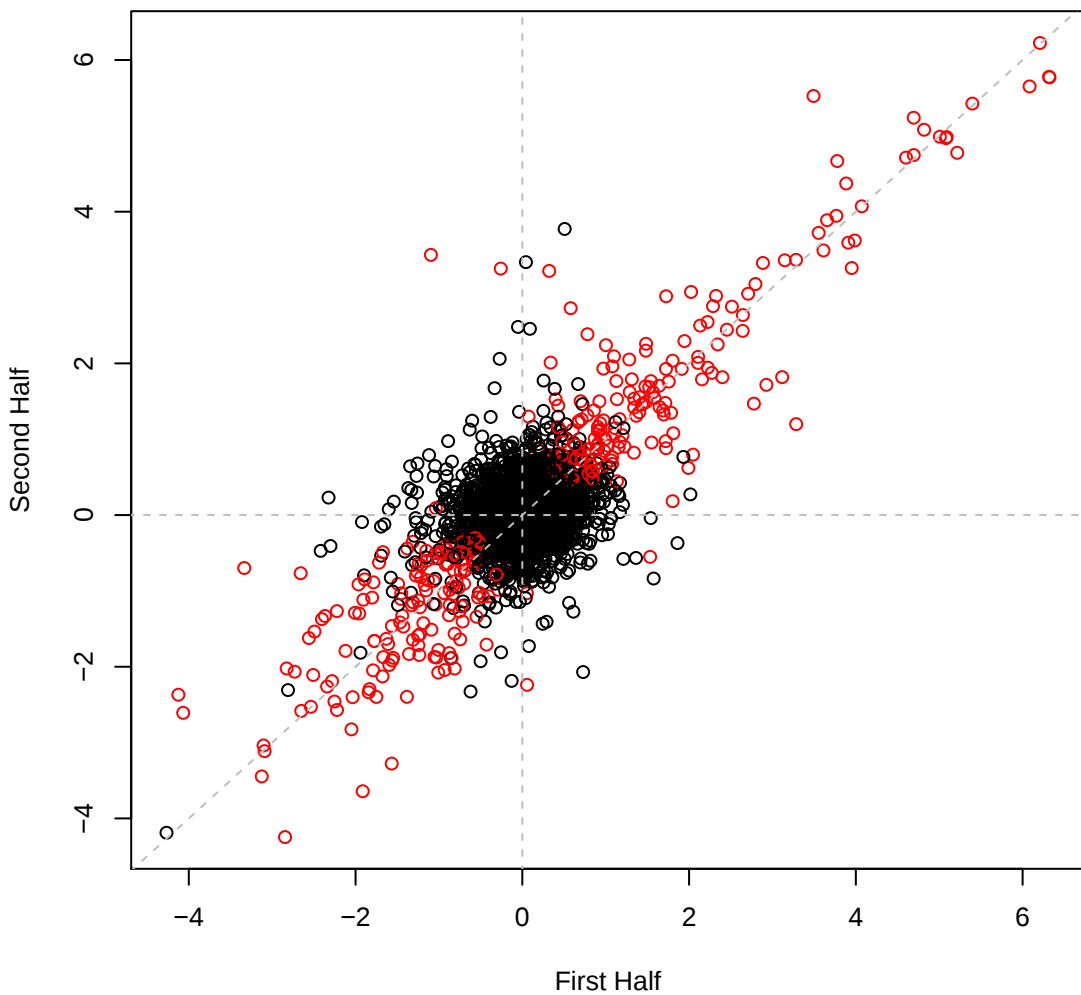
Keio set2IT025 #121 (gMed=16 rho12=0.196)

Vancomycin 0.0625 mg/ml



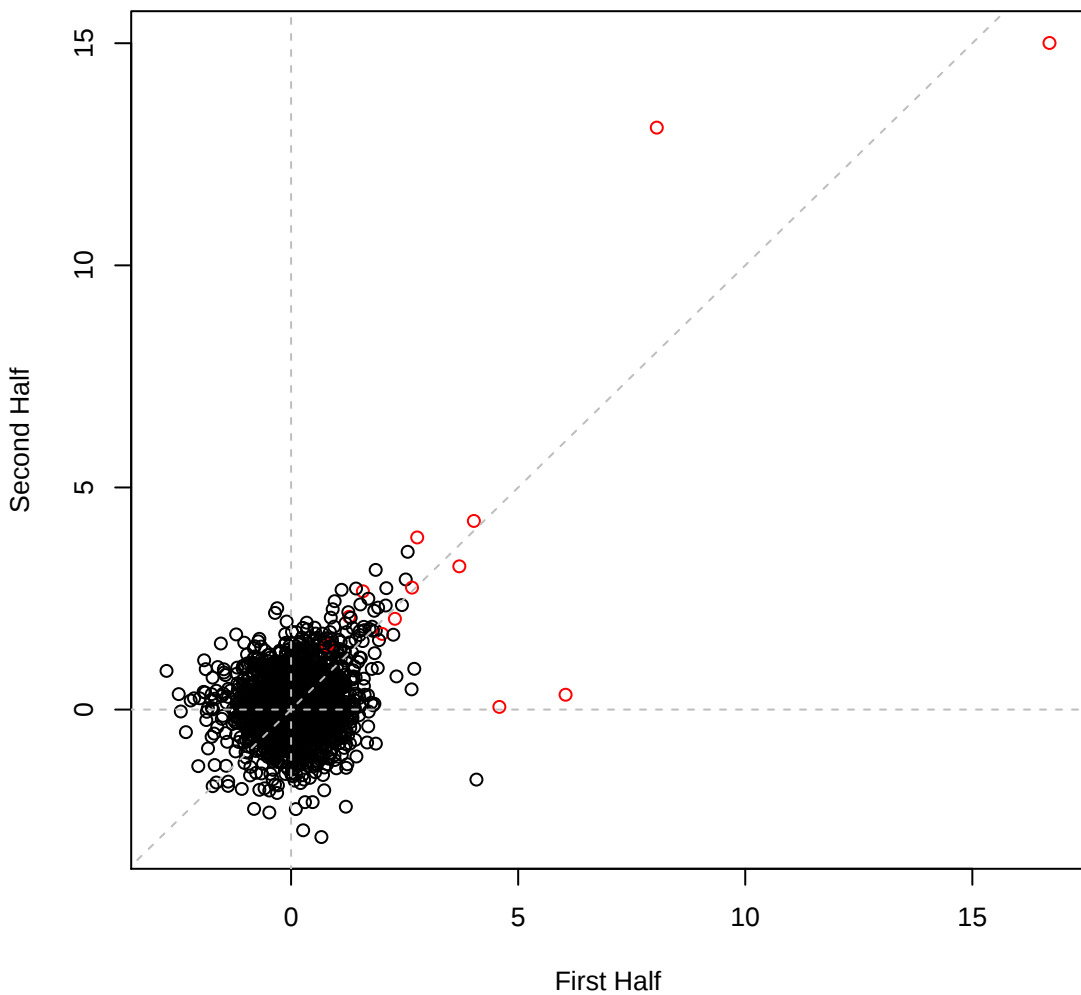
Keio set2IT026 #122 (gMed=88 rho12=0.428)

Cephalothin 0.01 mg/ml



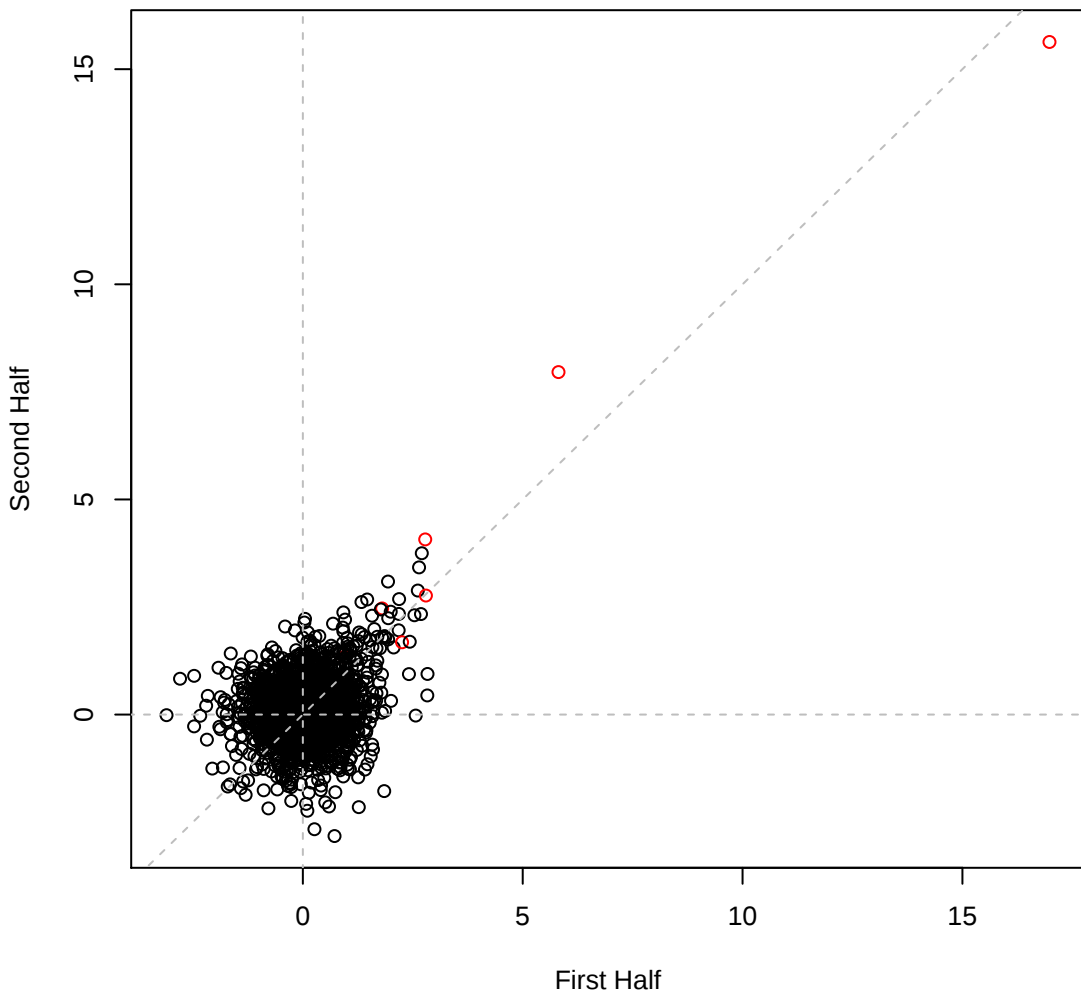
**Keio set2IT027 #123 (gMed=1 rho12=0.125)**

**Cephalothin 0.08 mg/ml**

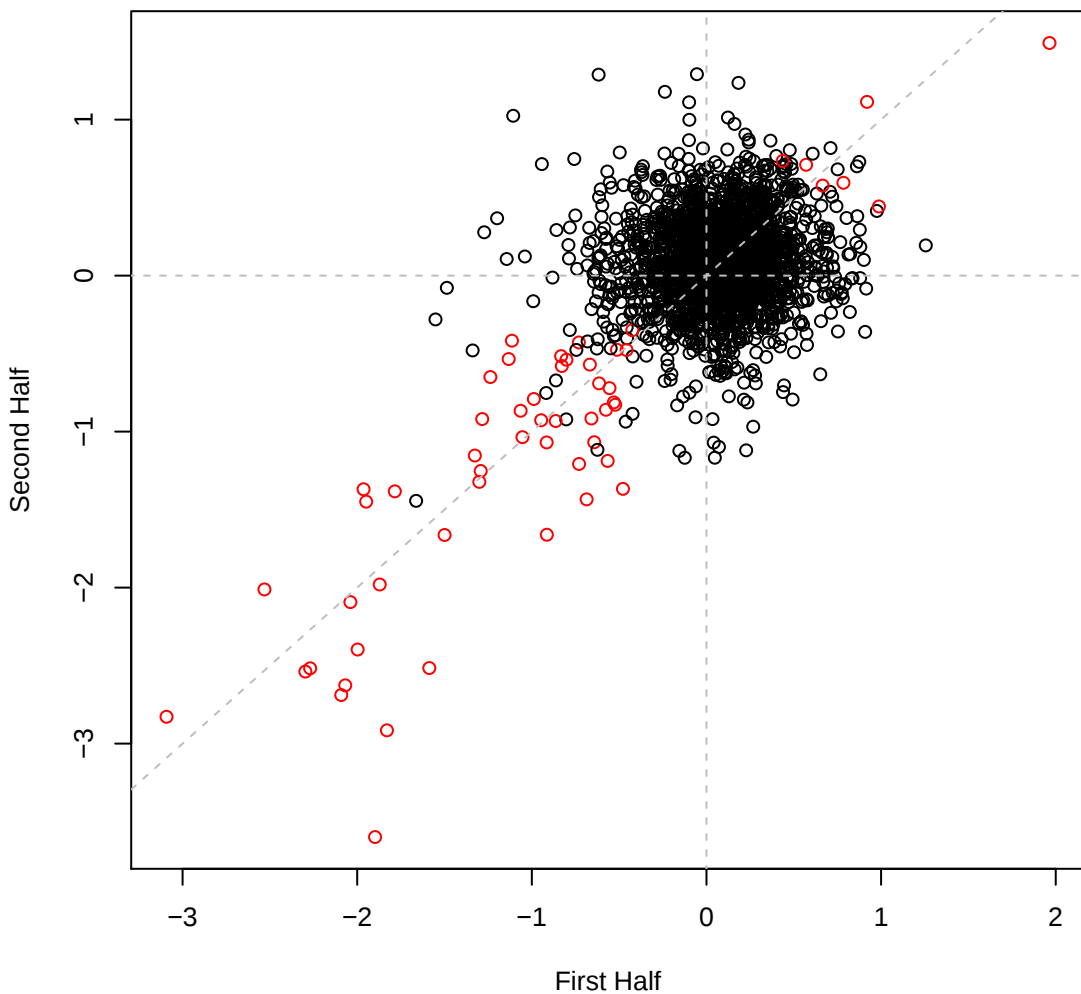


**Keio set2IT028 #124 (gMed=1 rho12=0.129)**

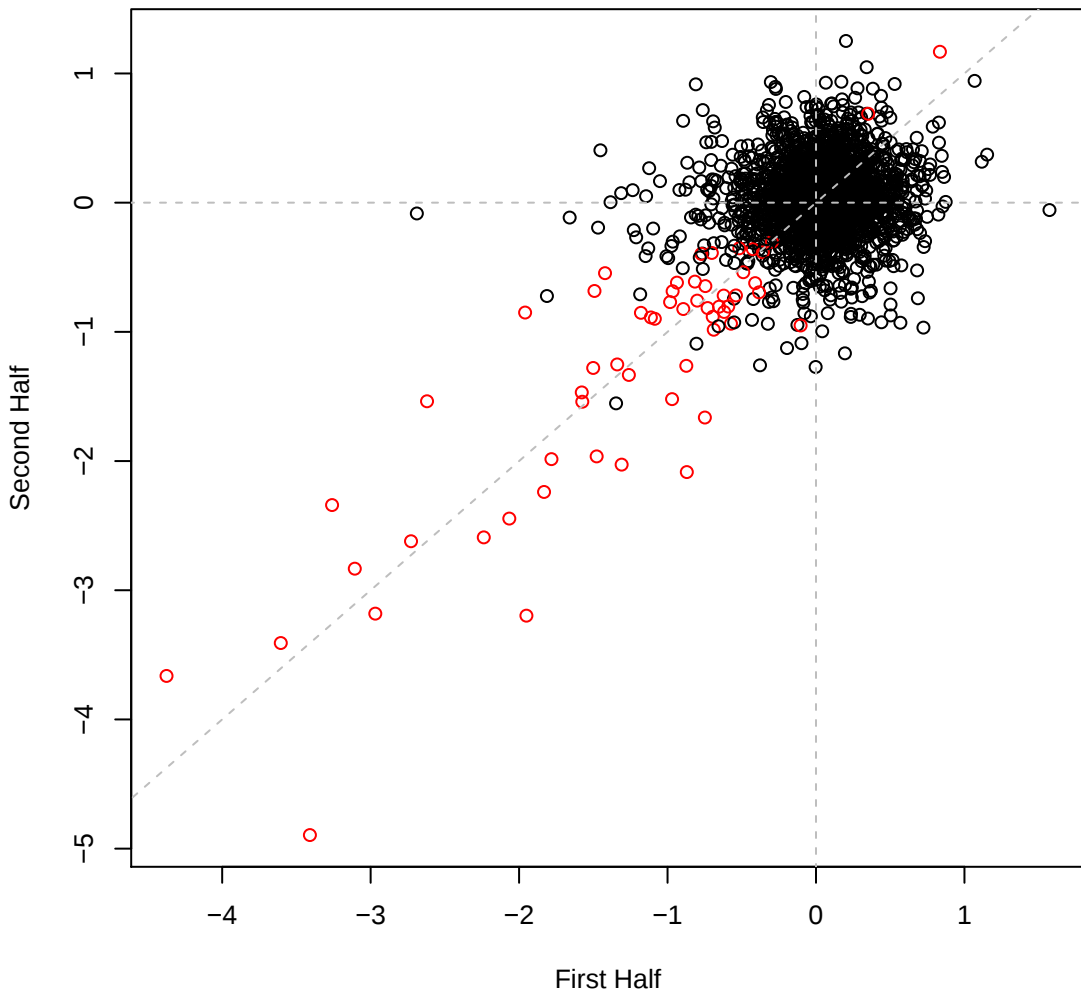
**Cephalothin 0.16 mg/ml**



**Keio set2IT029 #125 (gMed=118 rho12=0.119)**  
**A22 0.04 mg/ml**

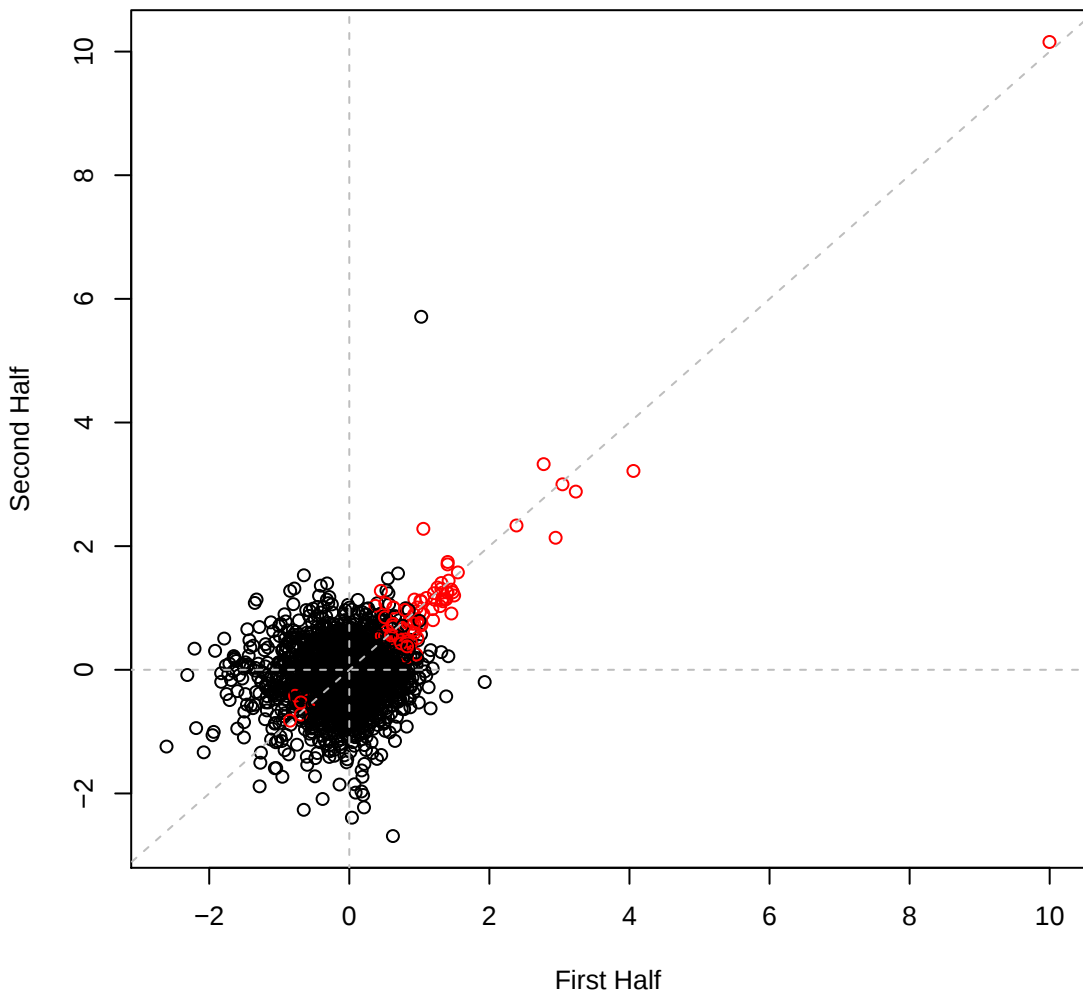


**A22 0.08 mg/ml**



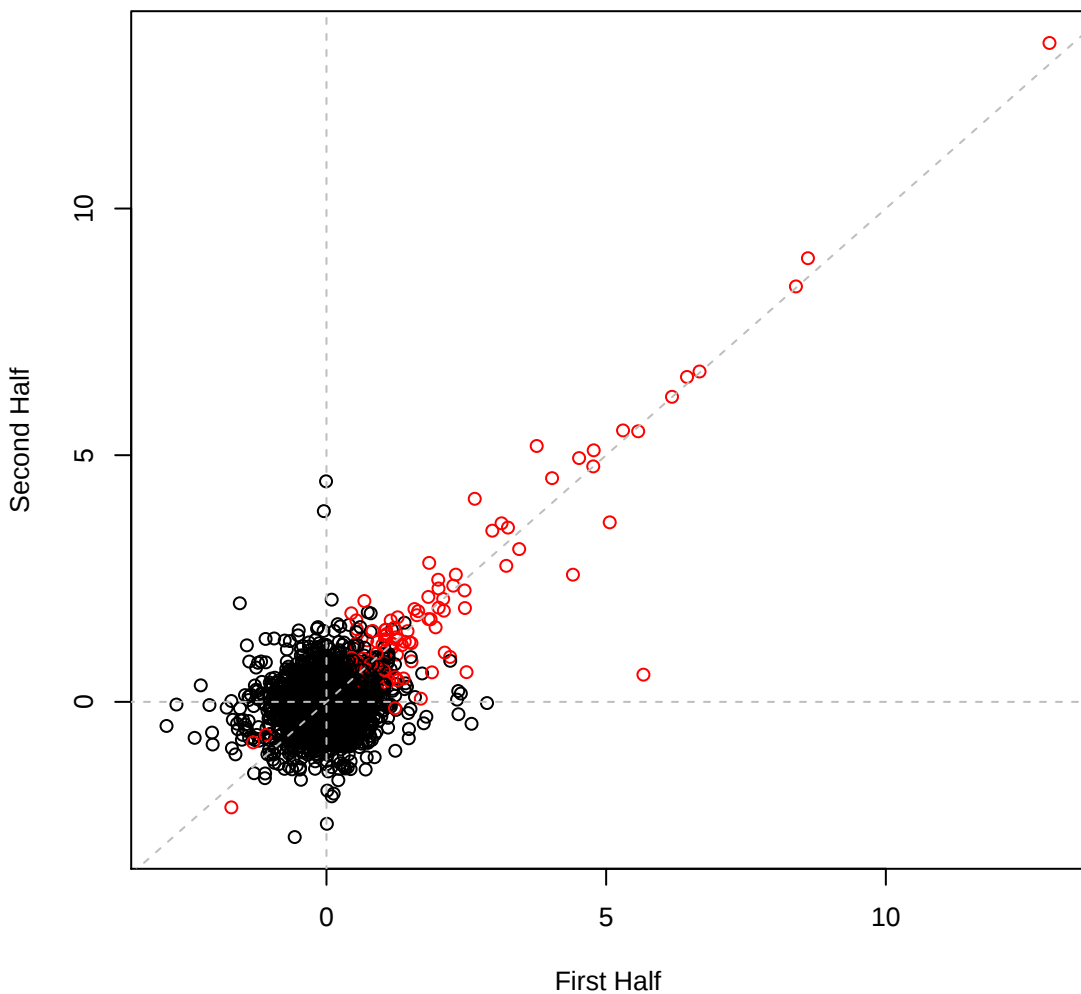
Keio set2IT031 #127 (gMed=19 rho12=0.182)

Lomefloxacin 0.0004 mM



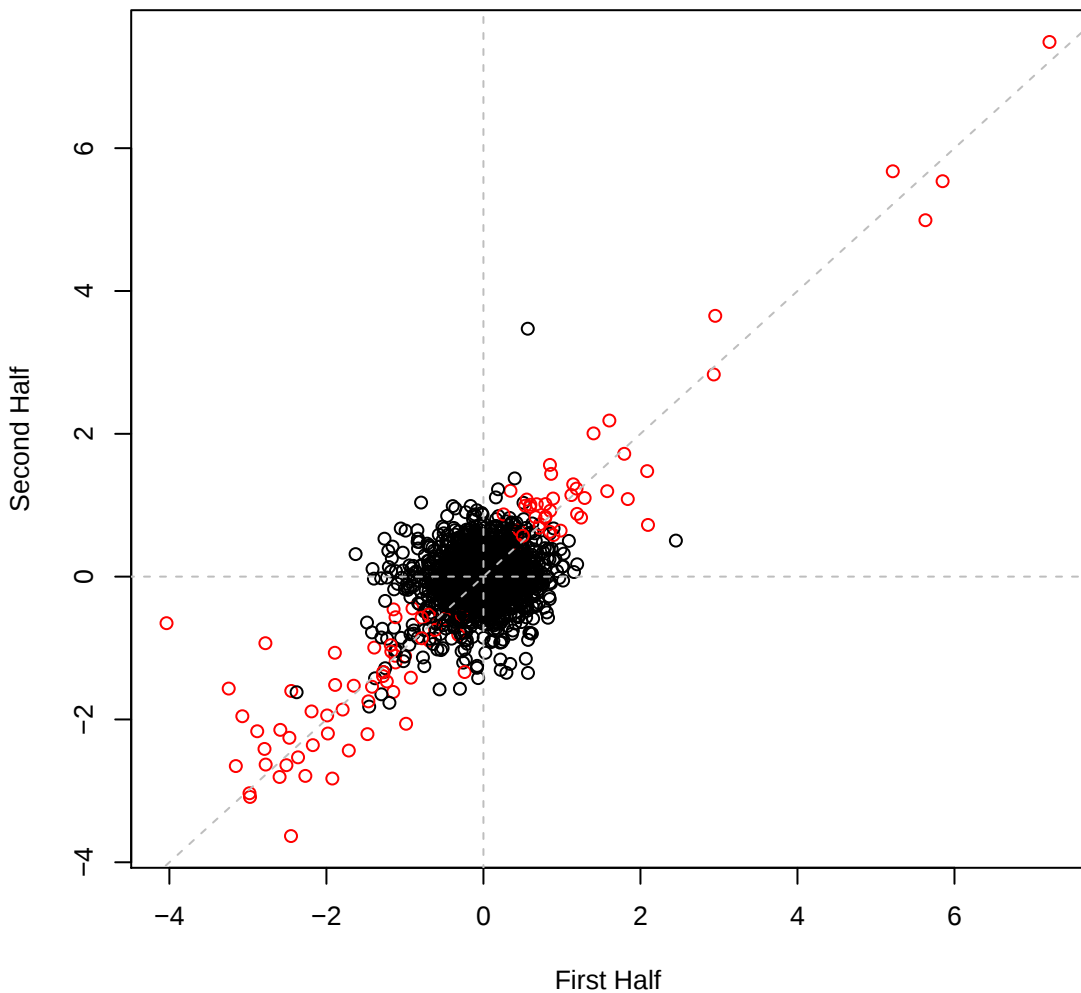
Keio set2IT032 #128 (gMed=20 rho12=0.193)

Neomycin 0.004 mg/ml



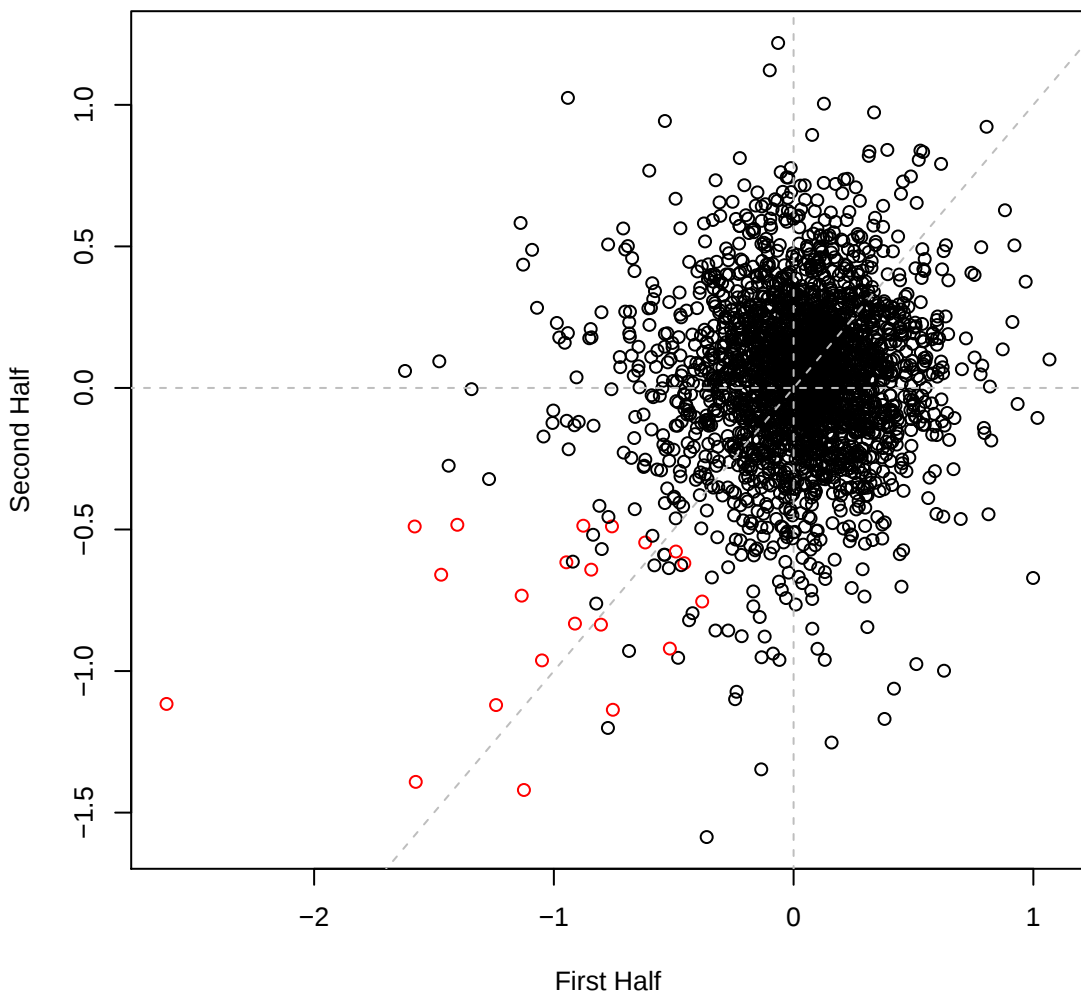
Keio set2IT033 #129 (gMed=72 rho12=0.202)

Doxycycline hyclate 0.001 mg/ml



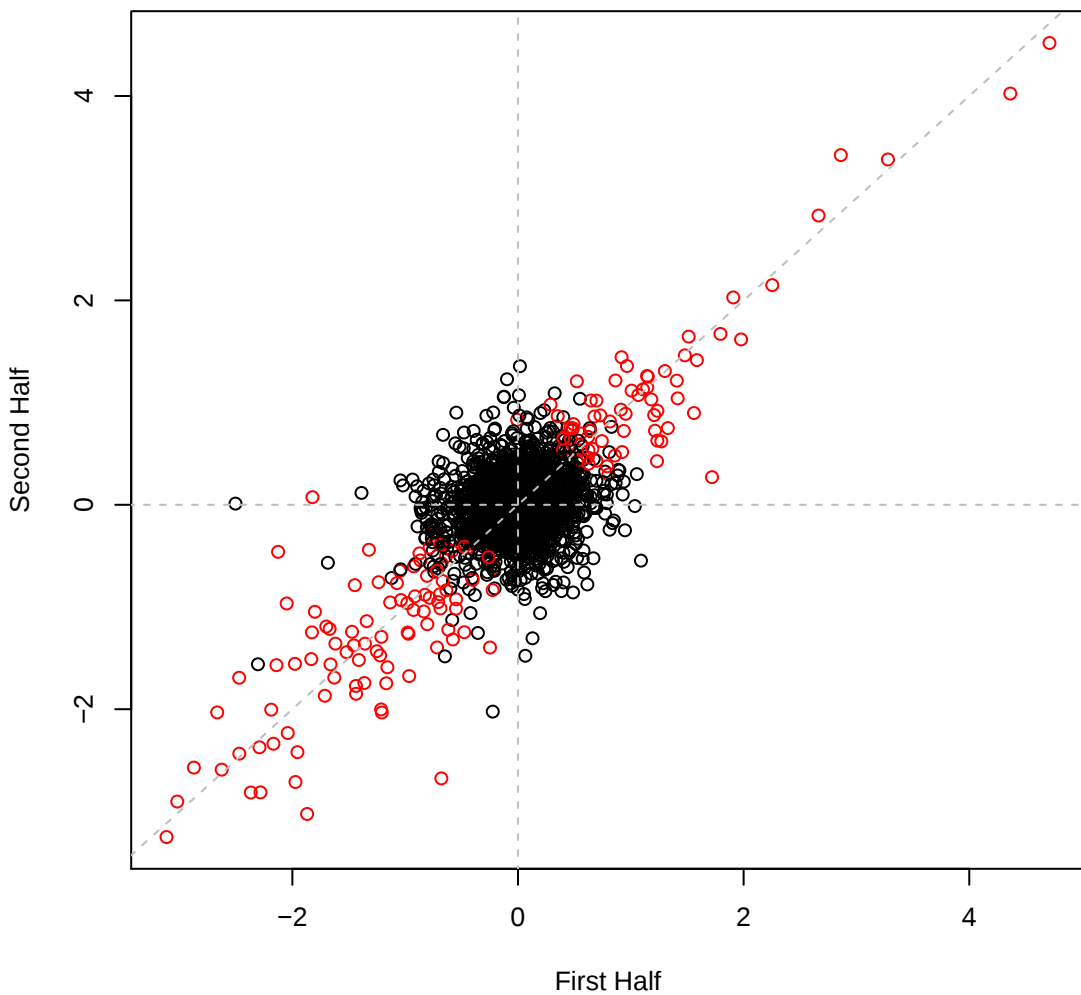
Keio set2IT034 #130 (gMed=119 rho12=0.060)

LB



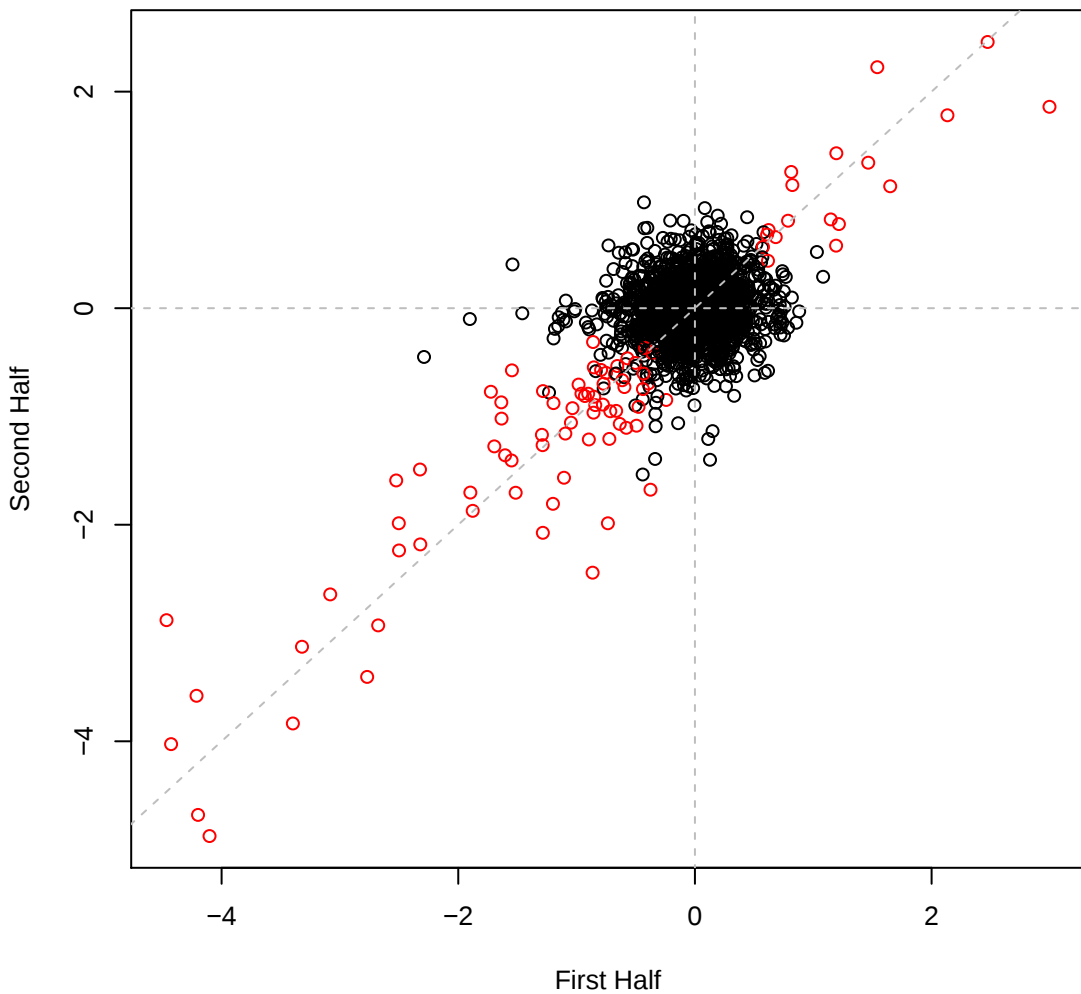
Keio set2IT037 #133 (gMed=100 rho12=0.273)

Nickel (II) chloride 1 mM

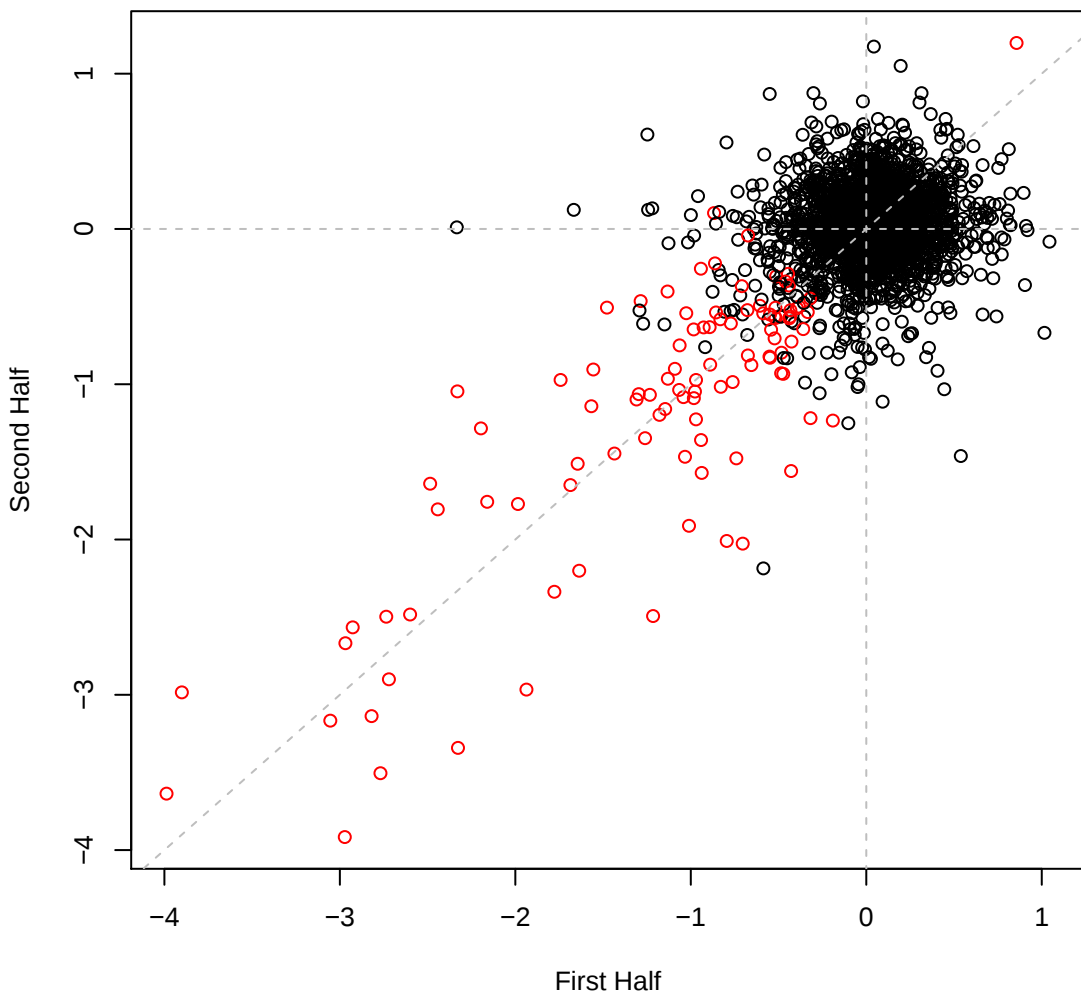


Keio set2IT038 #134 (gMed=113 rho12=0.197)

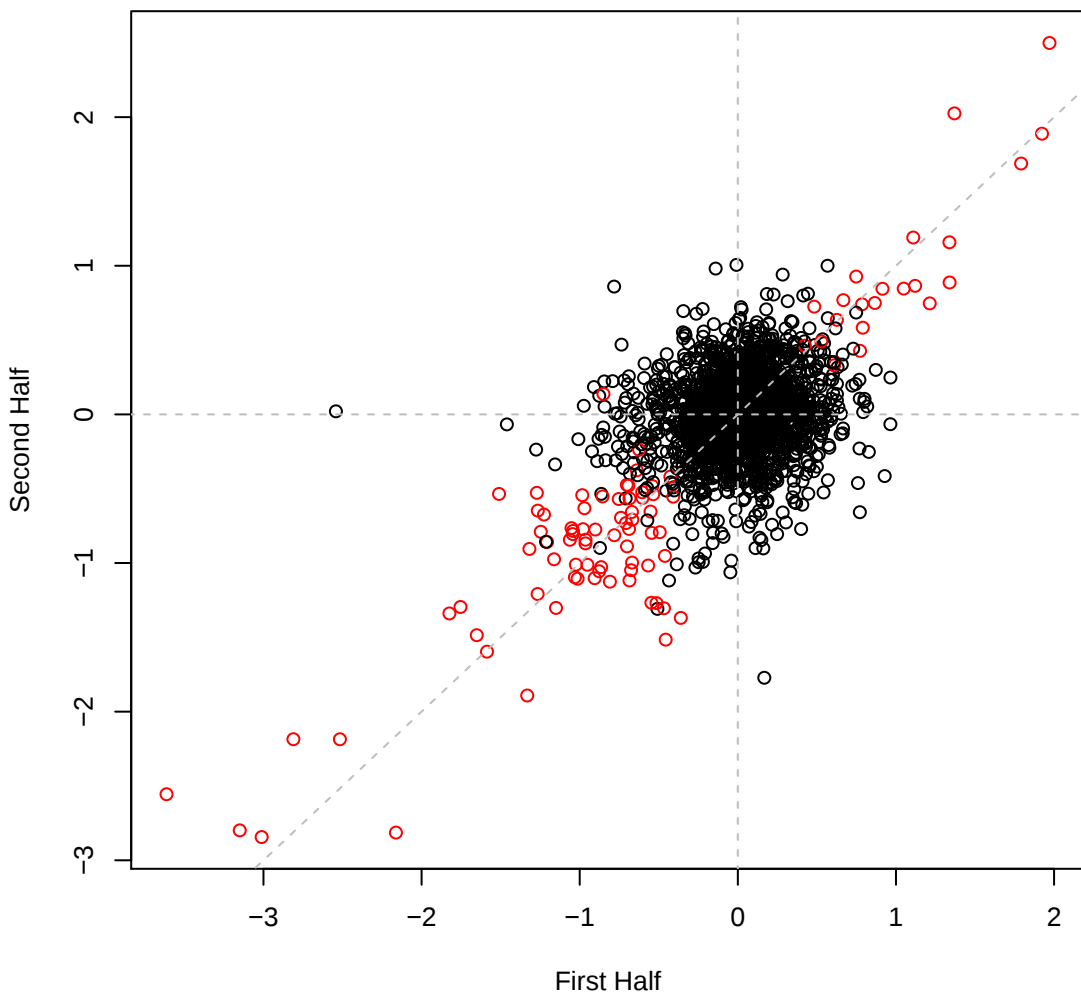
Cobalt chloride 0.32 mM



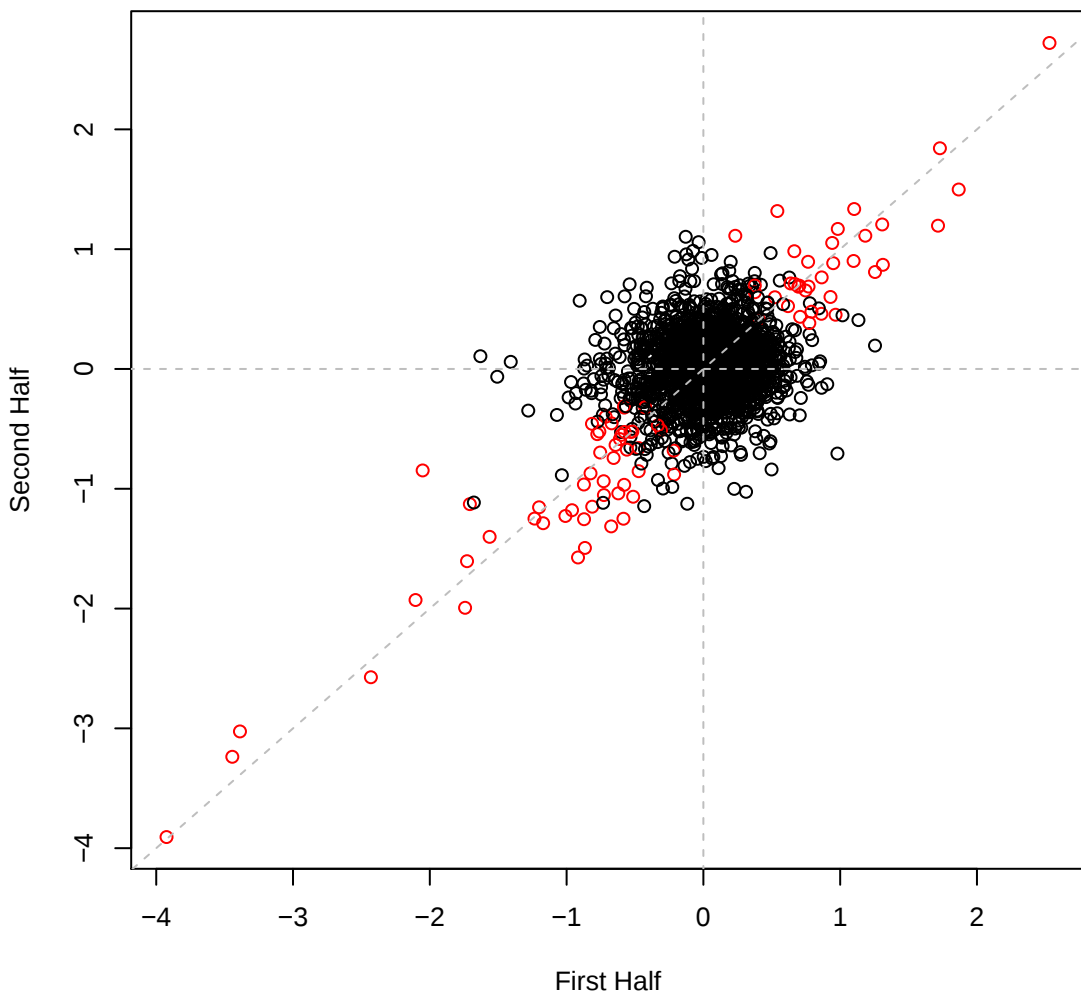
**Keio set2IT039 #135 (gMed=118 rho12=0.173)**  
**copper (II) chloride 2 mM**



**Keio set2IT040 #136 (gMed=116 rho12=0.241)**  
**sodium fluoride 100 mM**

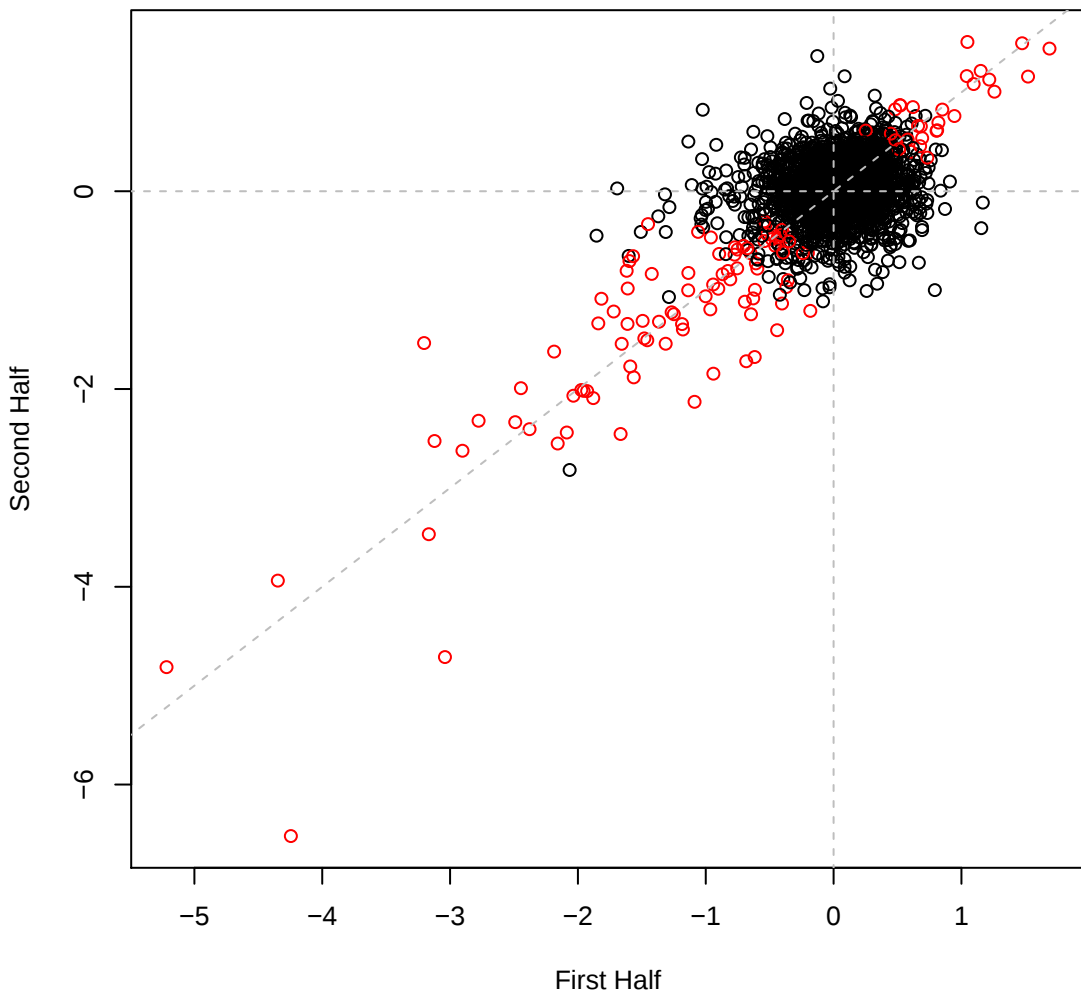


**Keio set2IT041 #137 (gMed=114 rho12=0.184)**  
**Thallium(I) acetate 0.0625 mg/ml**



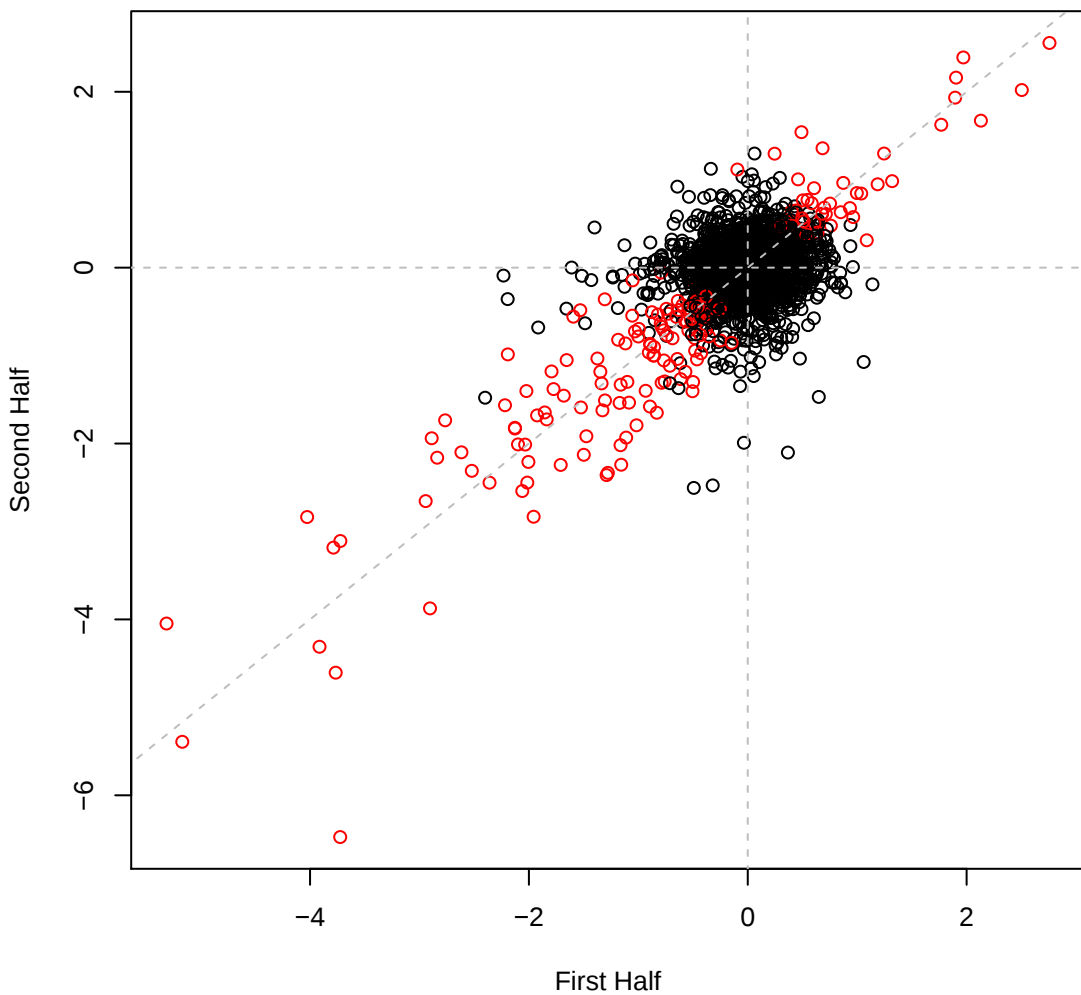
Keio set2IT042 #138 (gMed=119 rho12=0.262)

Cisplatin 0.025 mg/ml



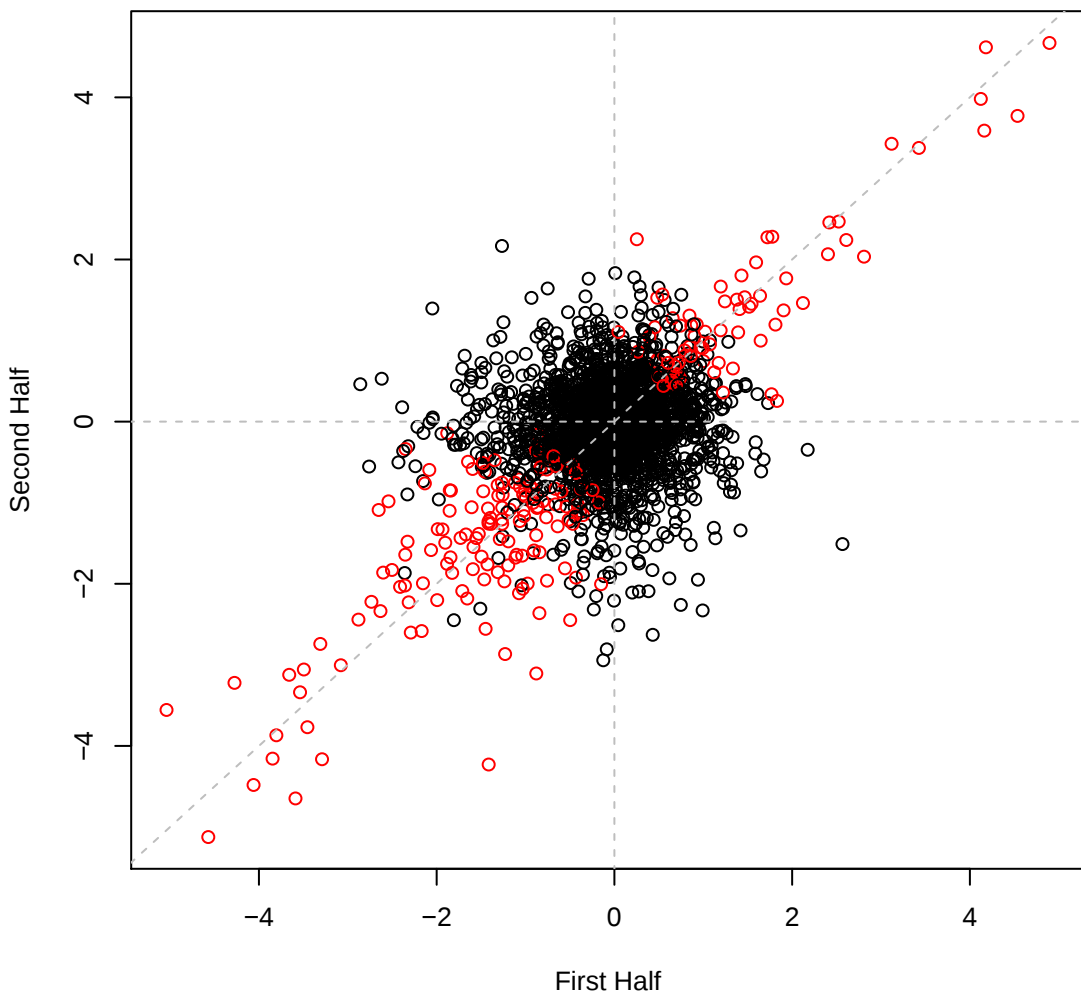
Keio set2IT043 #139 (gMed=112 rho12=0.284)

Cisplatin 0.05 mg/ml



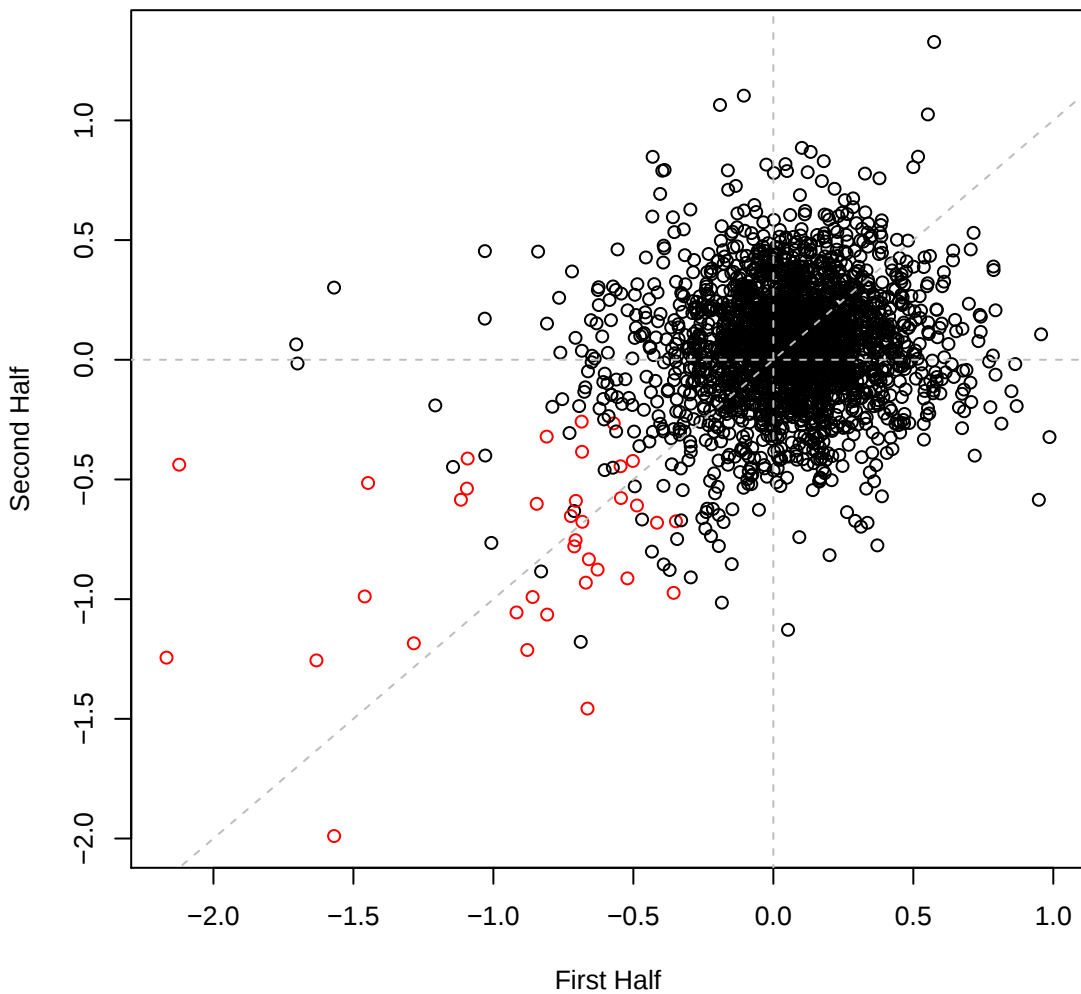
Keio set2IT044 #140 (gMed=102 rho12=0.257)

Cisplatin 0.1 mg/ml



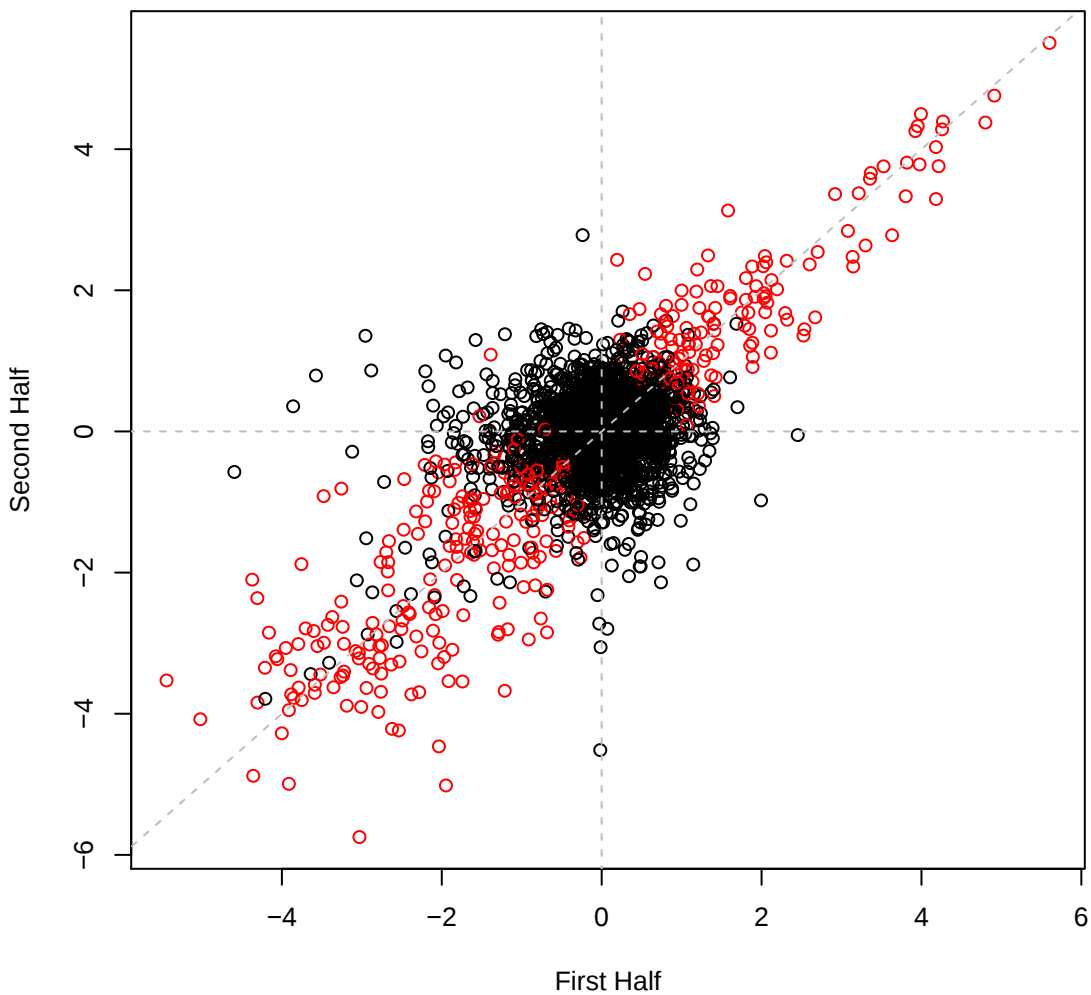
**Keio set2IT045 #141 (gMed=122 rho12=0.109)**

**LB**



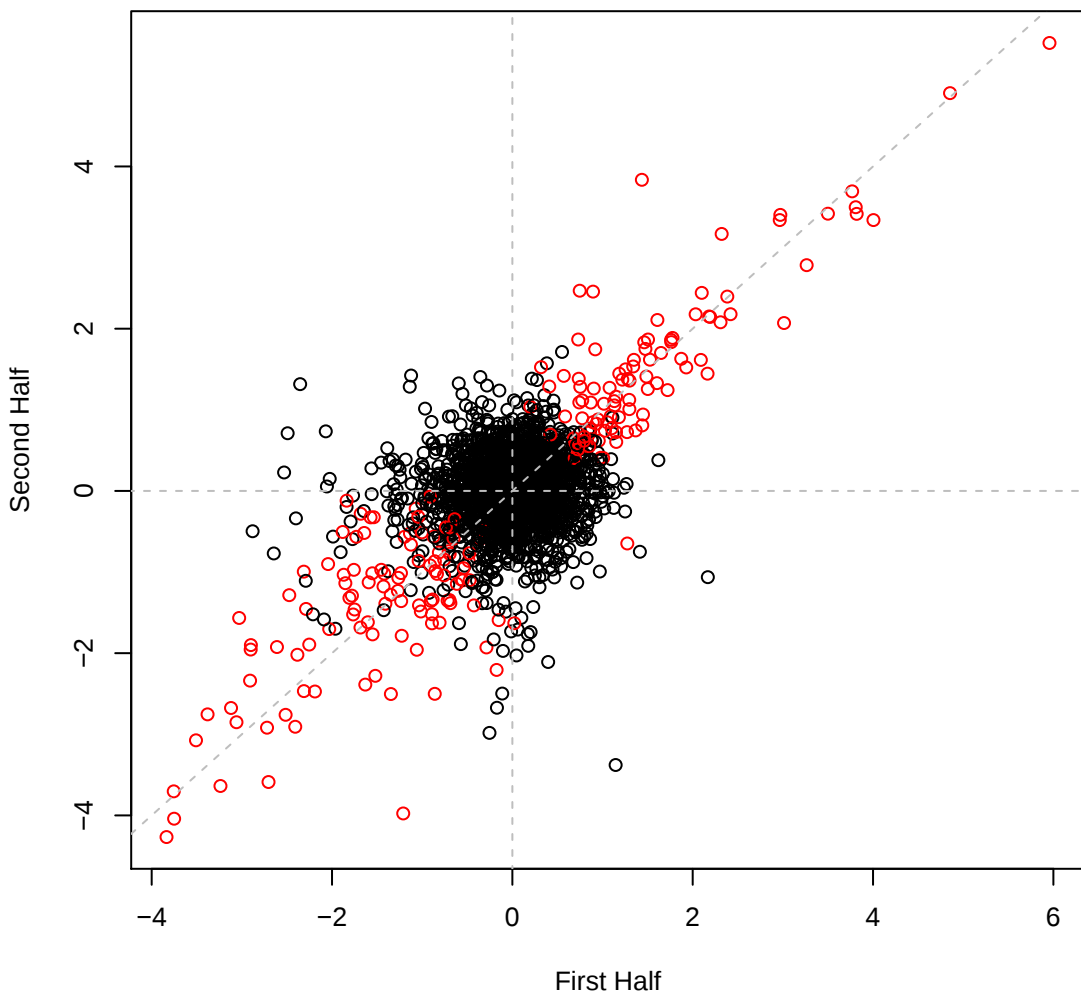
**Keio set2IT046 #142 (gMed=98 rho12=0.408)**

**Benzalkonium Chloride 0.004 mg/ml**

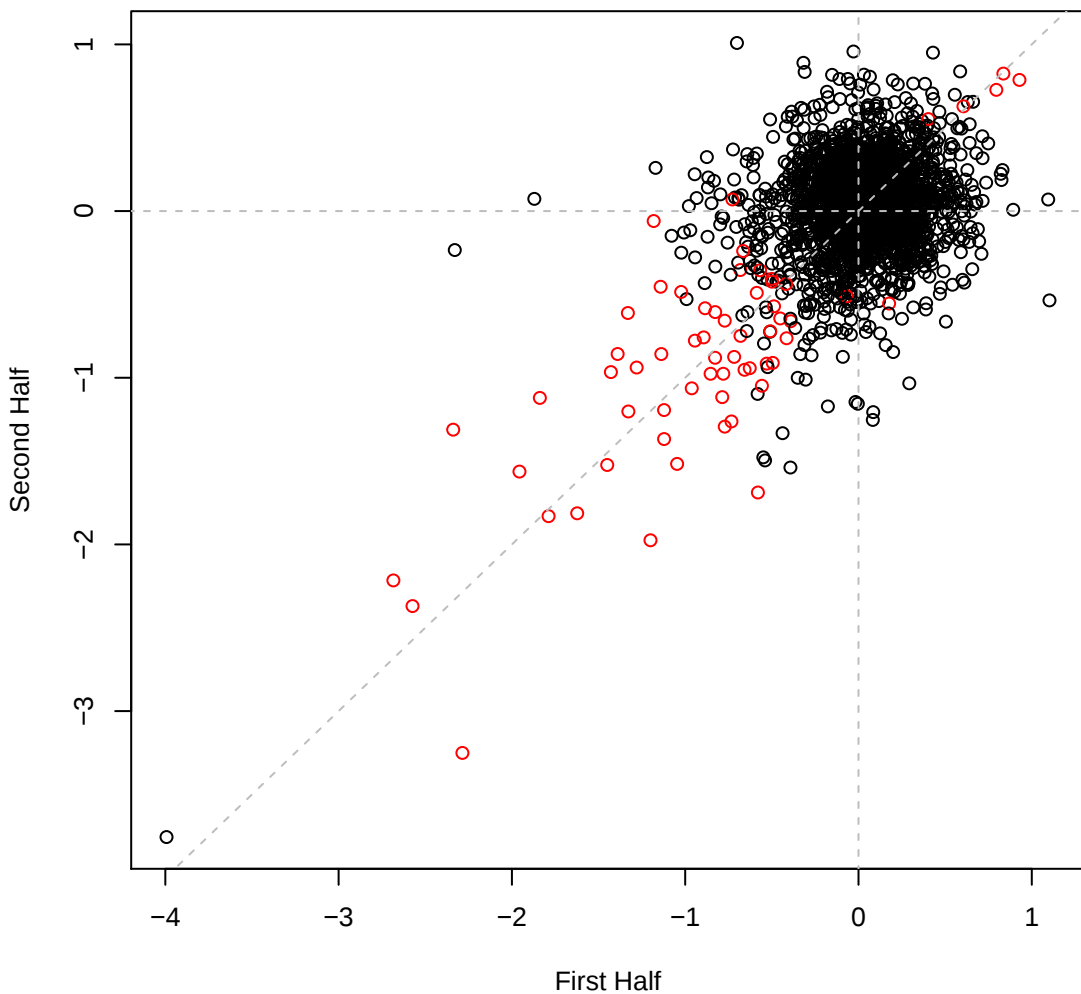


**Keio set2IT047 #143 (gMed=98 rho12=0.276)**

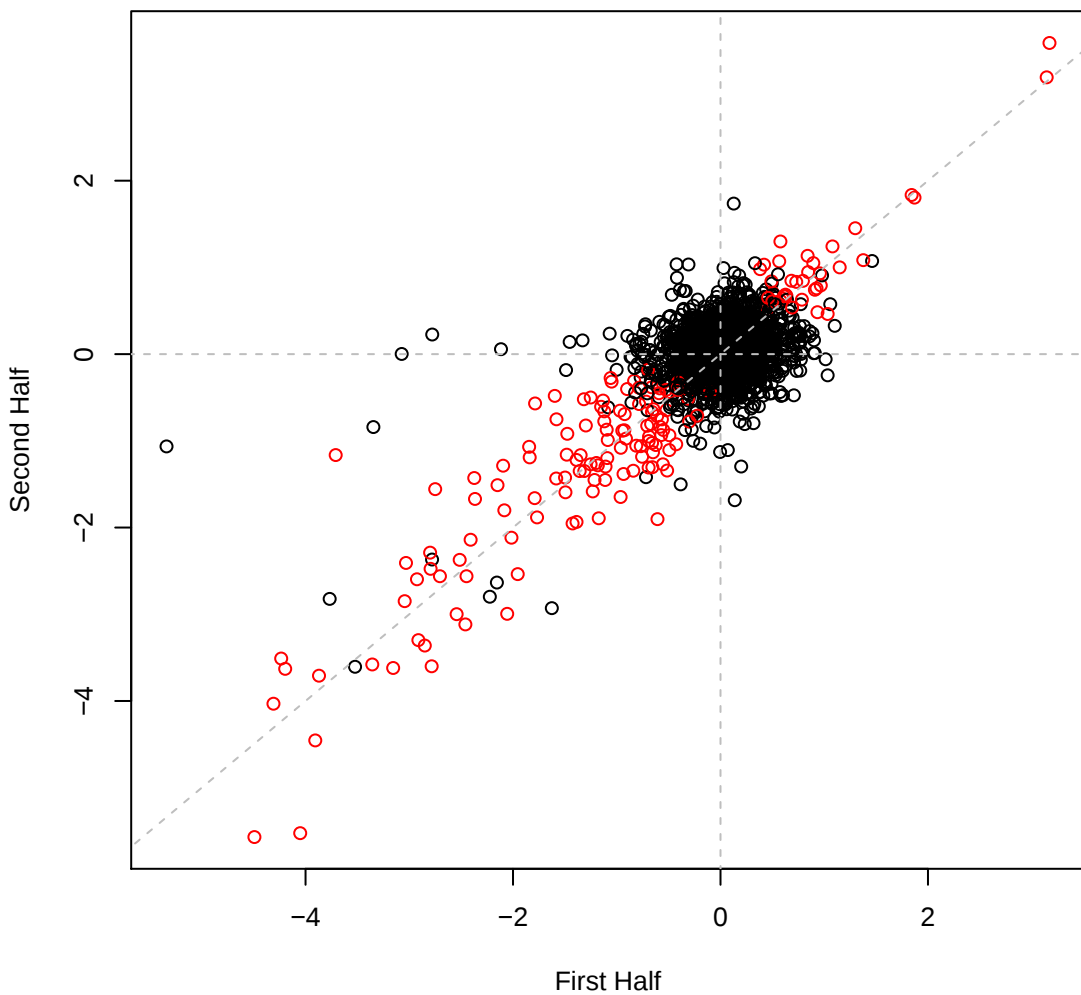
**Aluminum chloride 5 mM**



**Keio set2IT048 #144 (gMed=115 rho12=0.169)**  
**benzoic 0.58 mg/ml**

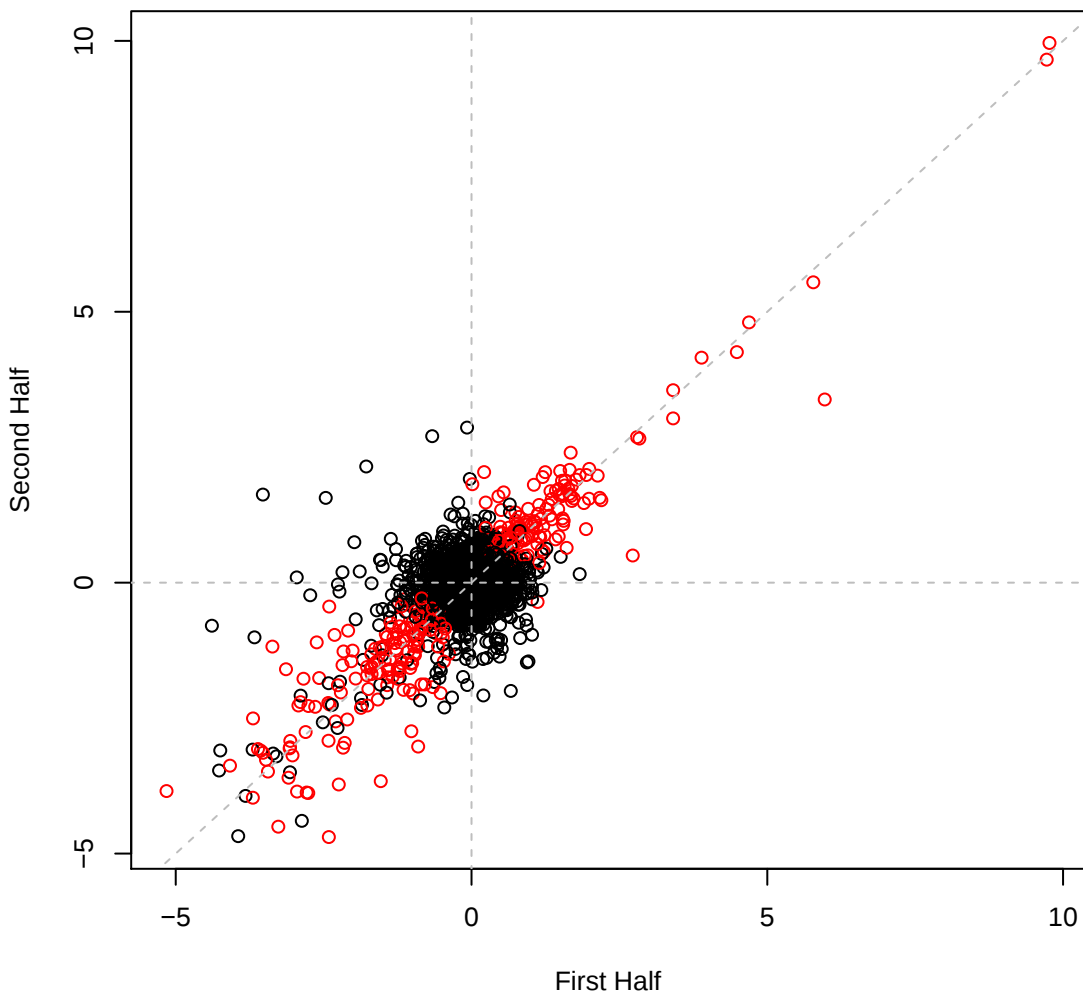


**Keio set2IT049 #145 (gMed=119 rho12=0.307)**  
**Bacitracin 0.5 mg/ml**



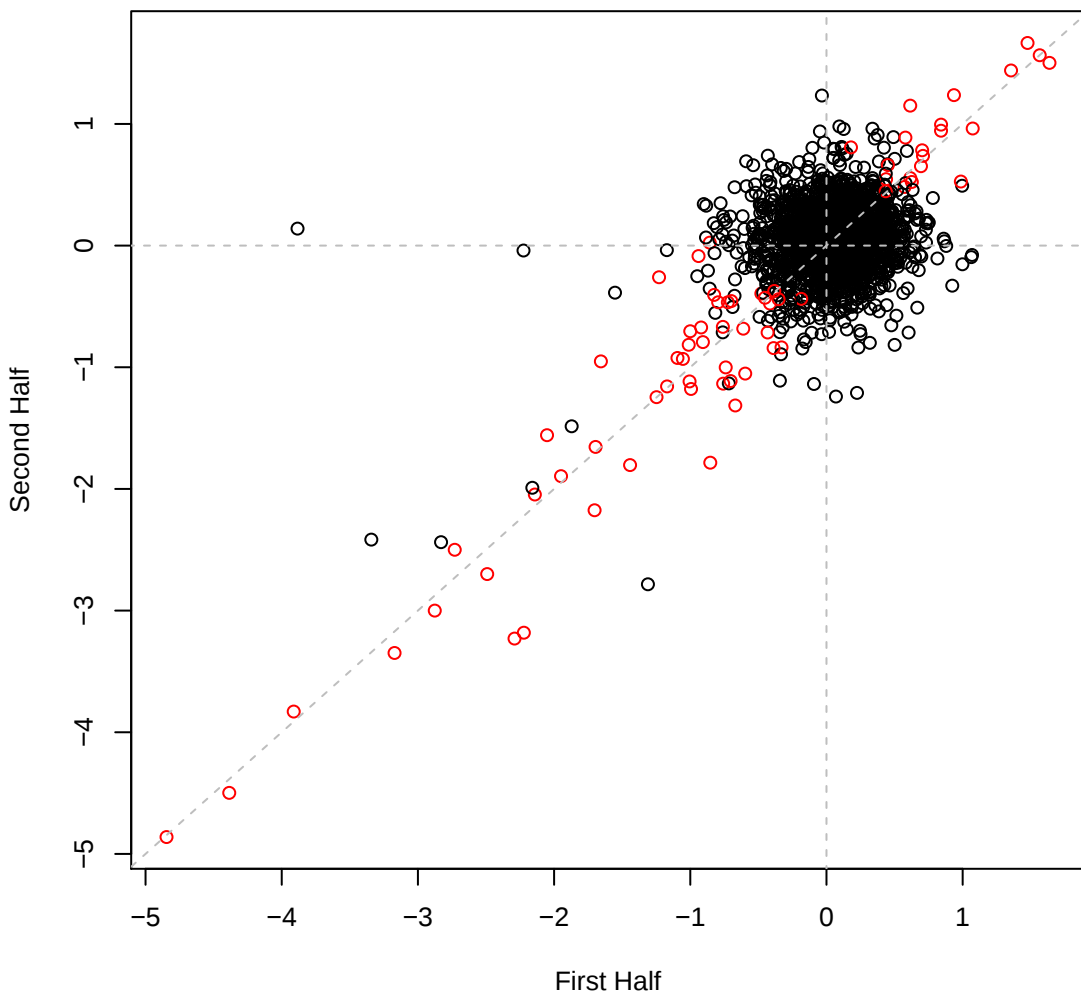
Keio set2IT050 #146 (gMed=76 rho12=0.370)

Bacitracin 1 mg/ml



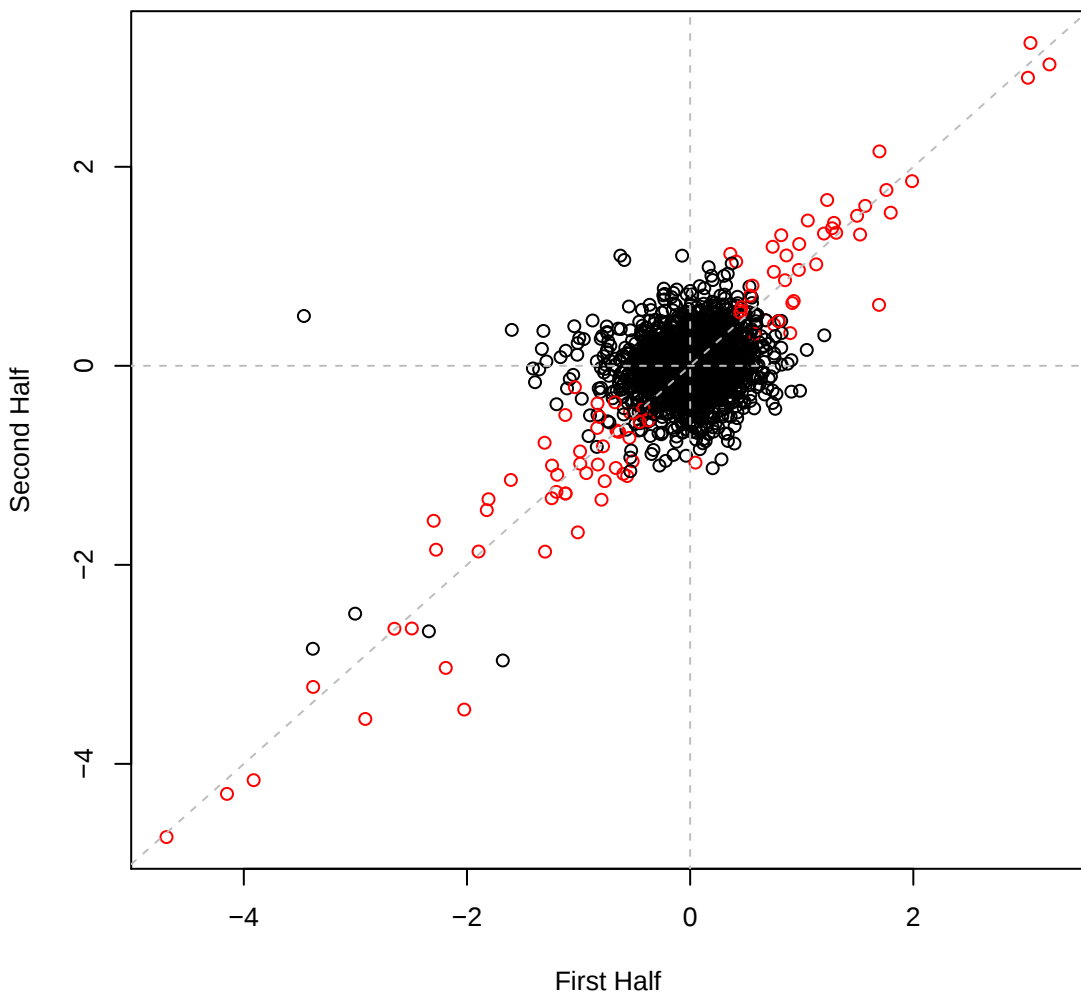
Keio set2IT051 #147 (gMed=122 rho12=0.160)

Fusidic 0.03 mg/ml



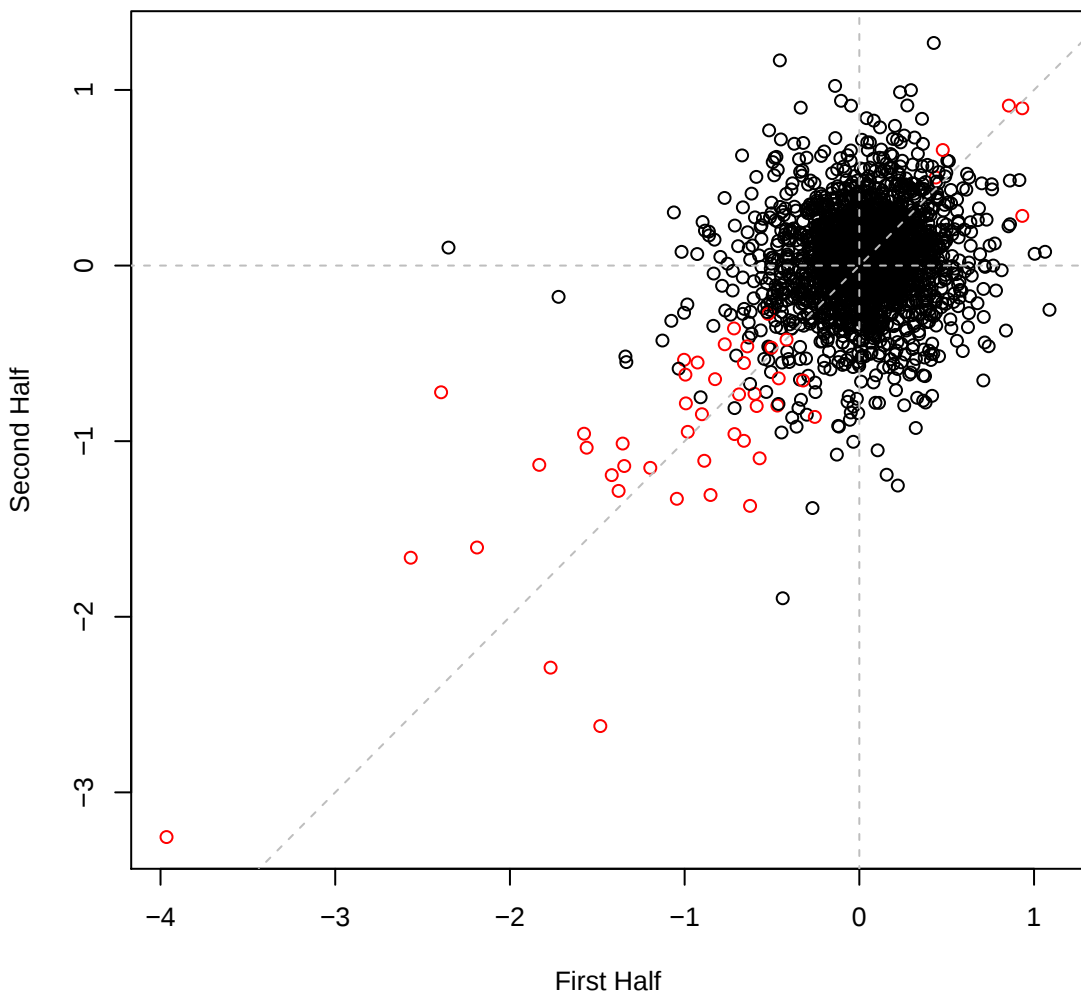
Keio set2IT052 #148 (gMed=105 rho12=0.209)

Fusidic 0.1 mg/ml



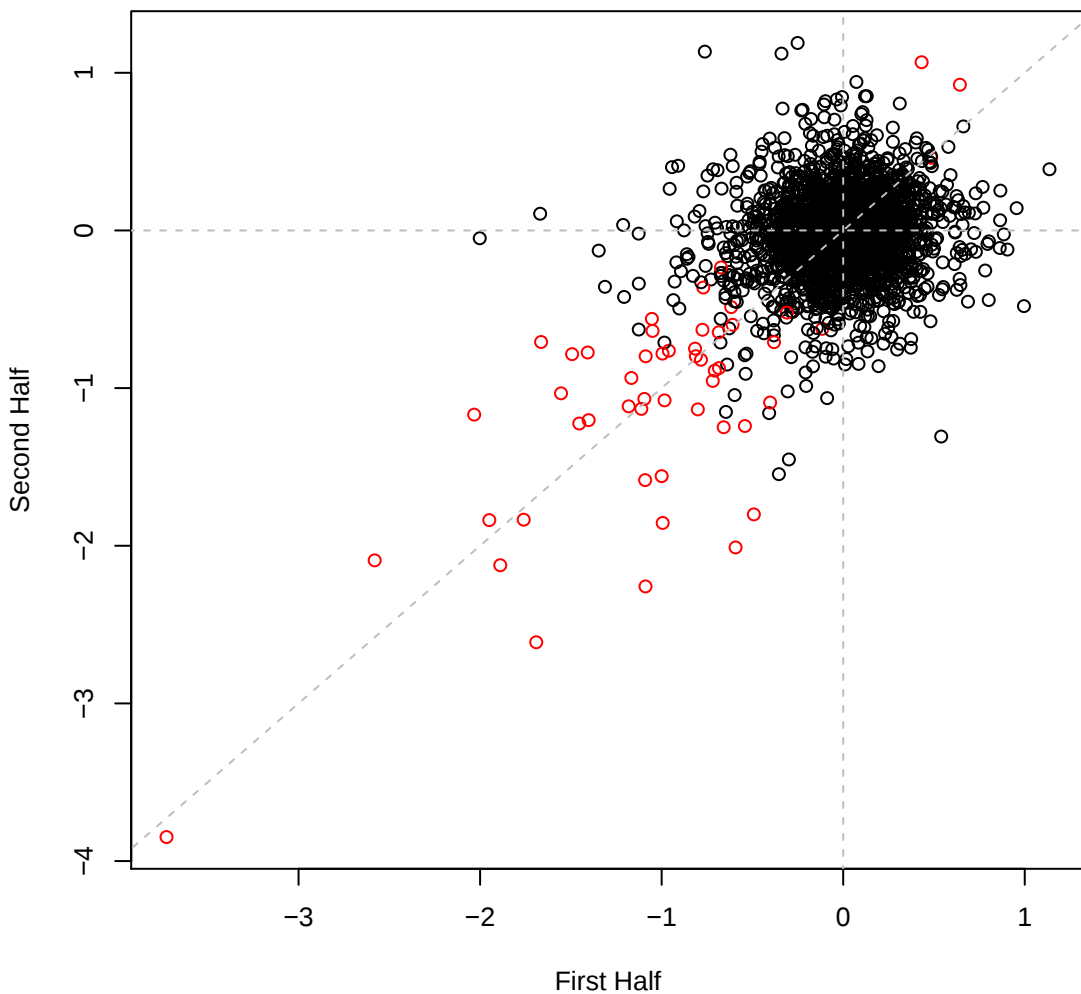
Keio set2IT053 #149 (gMed=100 rho12=0.137)

Dimethyl Sulfoxide 7.5 vol%



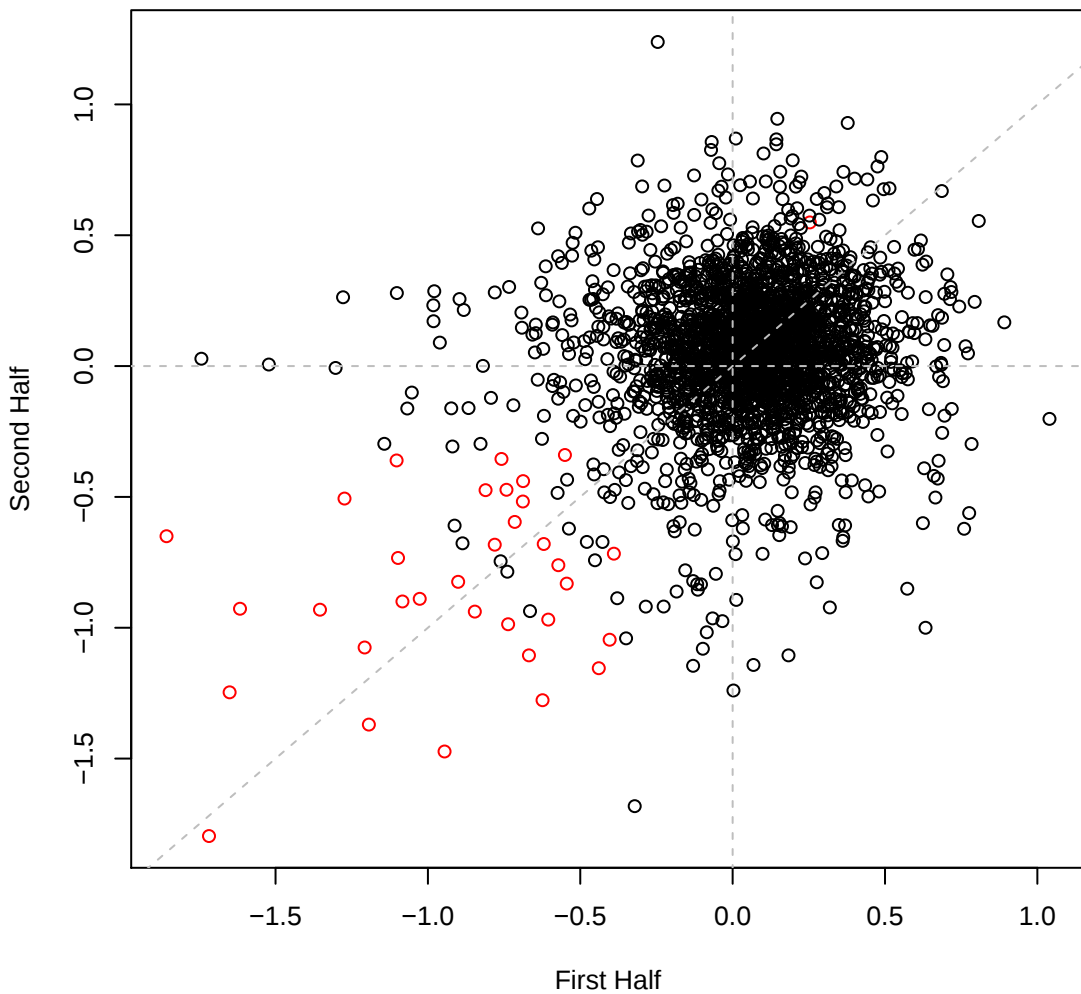
Keio set2IT054 #150 (gMed=105 rho12=0.160)

Dimethyl Sulfoxide 10 vol%

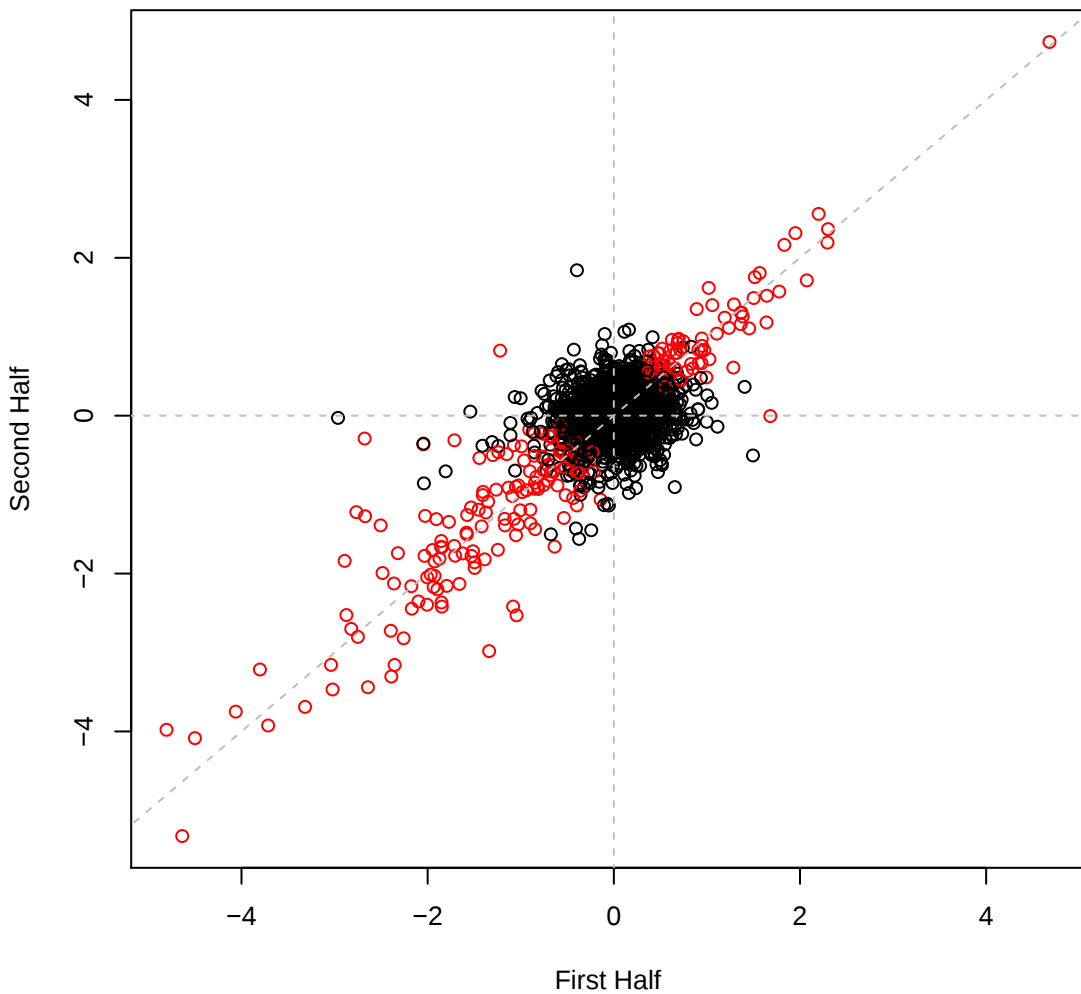


Keio set2IT055 #151 (gMed=122 rho12=0.095)

LB

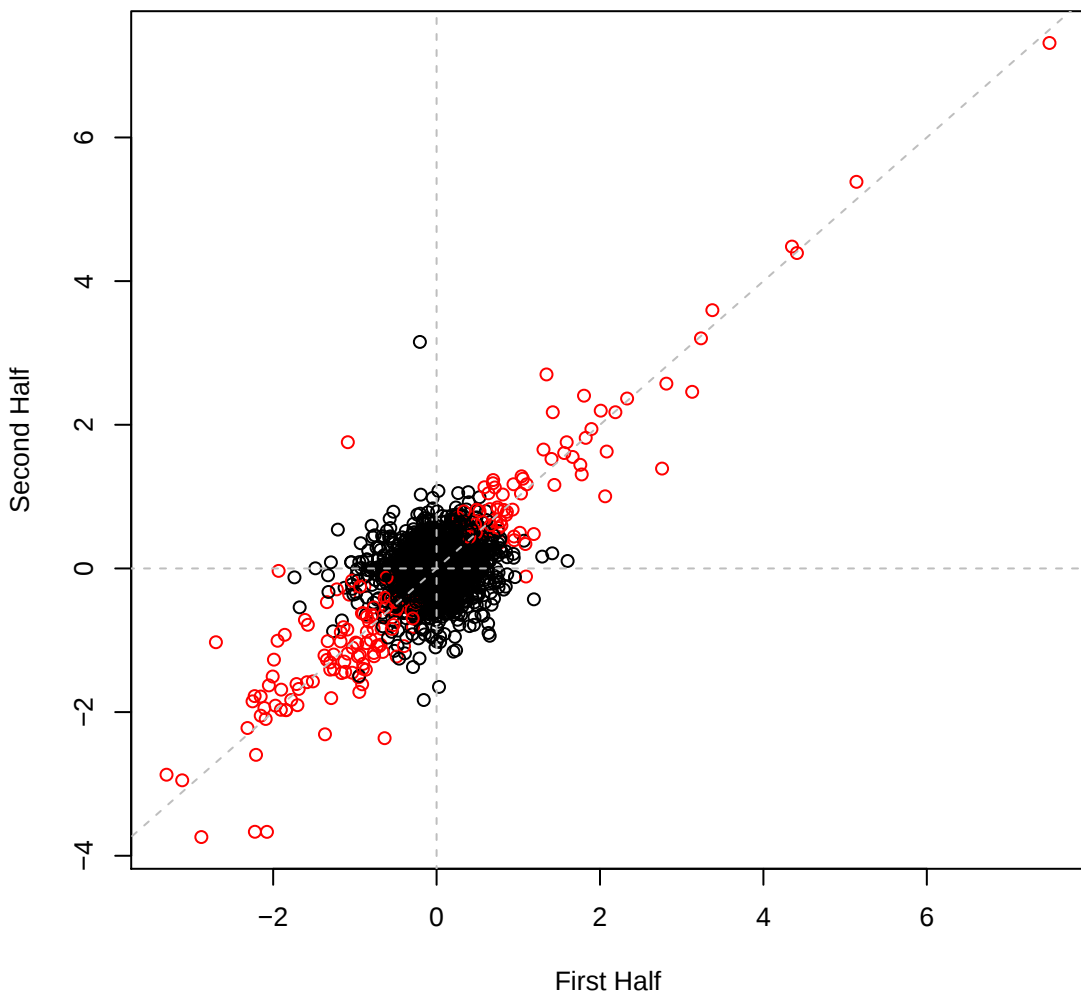


**Keio set2IT056 #152 (gMed=115 rho12=0.351)**  
**Chloramphenicol 0.001 mg/ml**



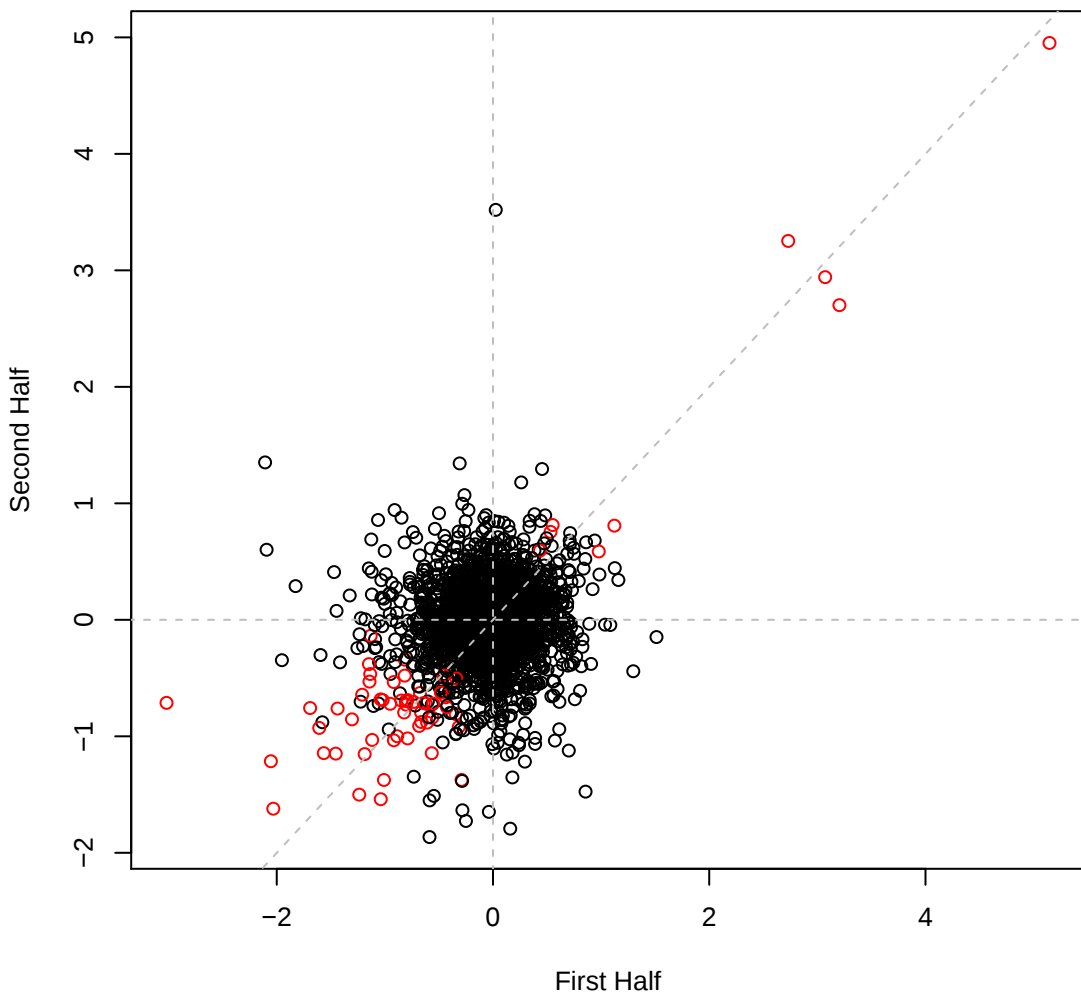
Keio set2IT057 #153 (gMed=99 rho12=0.321)

Chloramphenicol 0.0025 mg/ml



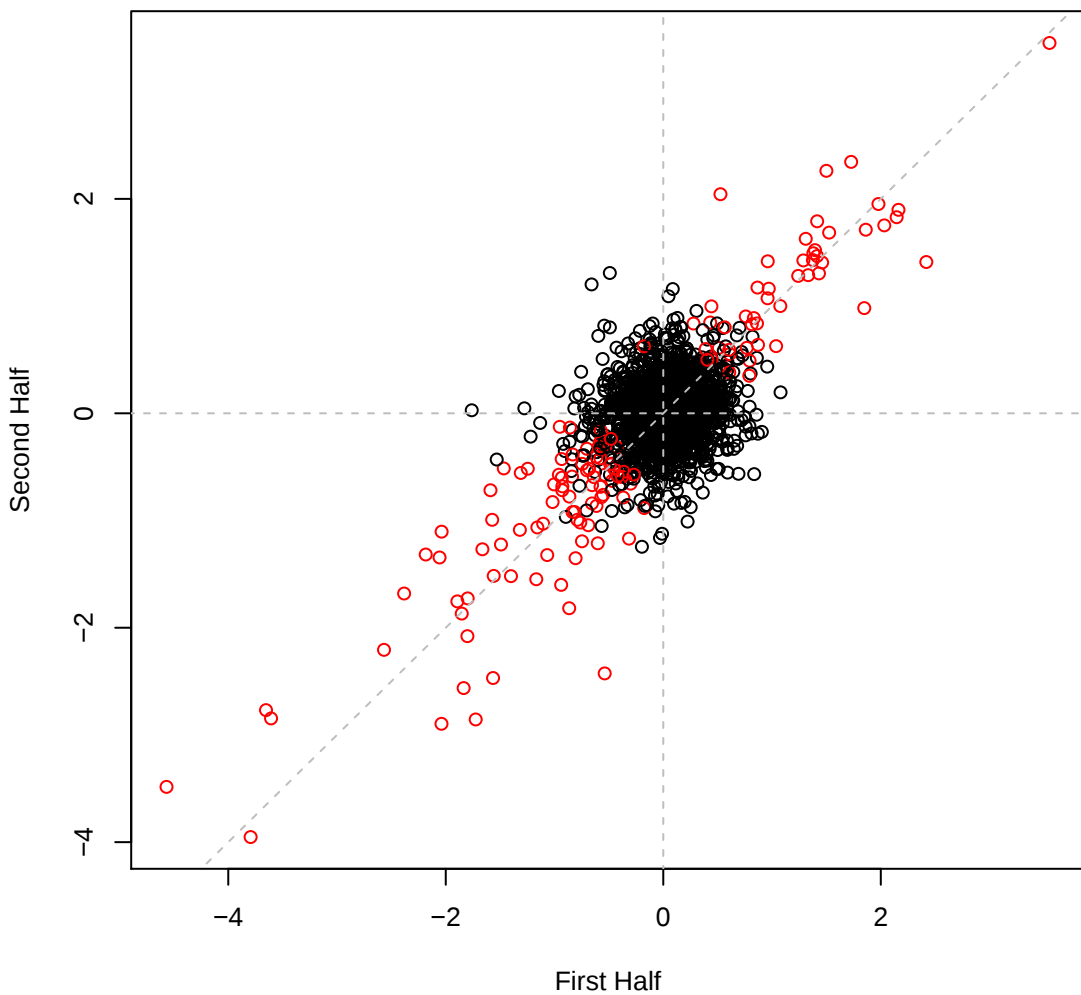
Keio set2IT058 #154 (gMed=105 rho12=0.100)

Chloramphenicol 0.005 mg/ml



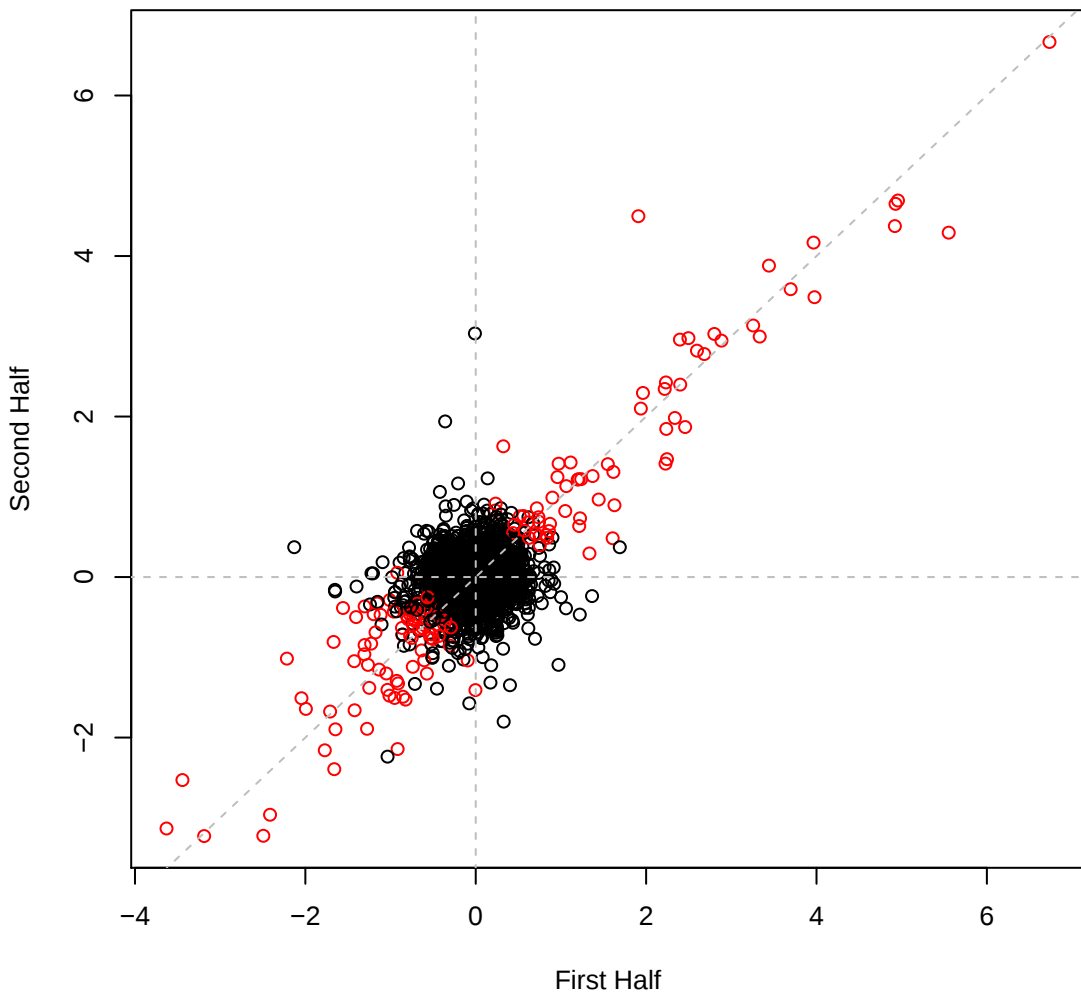
Keio set2IT059 #155 (gMed=120 rho12=0.250)

Tetracycline 0.0004 mg/ml



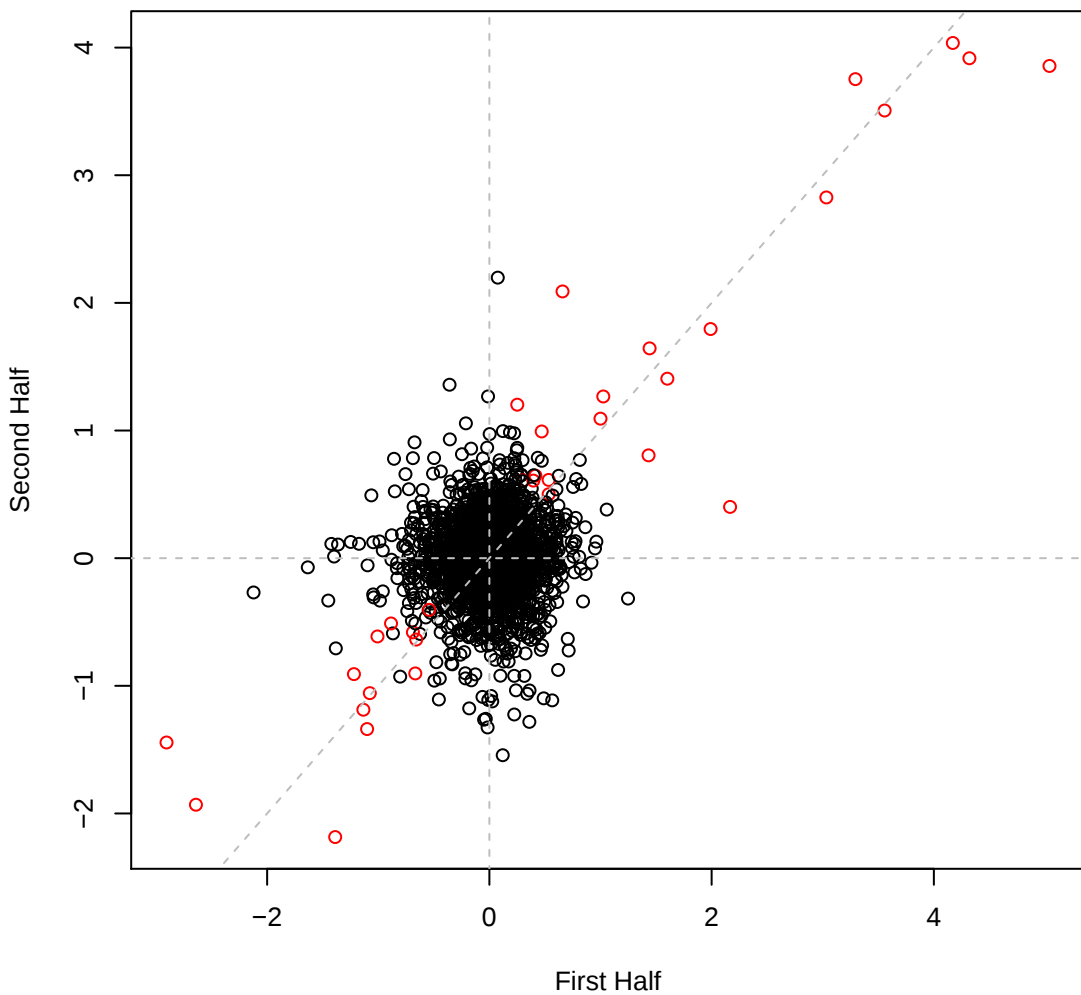
Keio set2IT060 #156 (gMed=105 rho12=0.267)

Tetracycline 0.0008 mg/ml



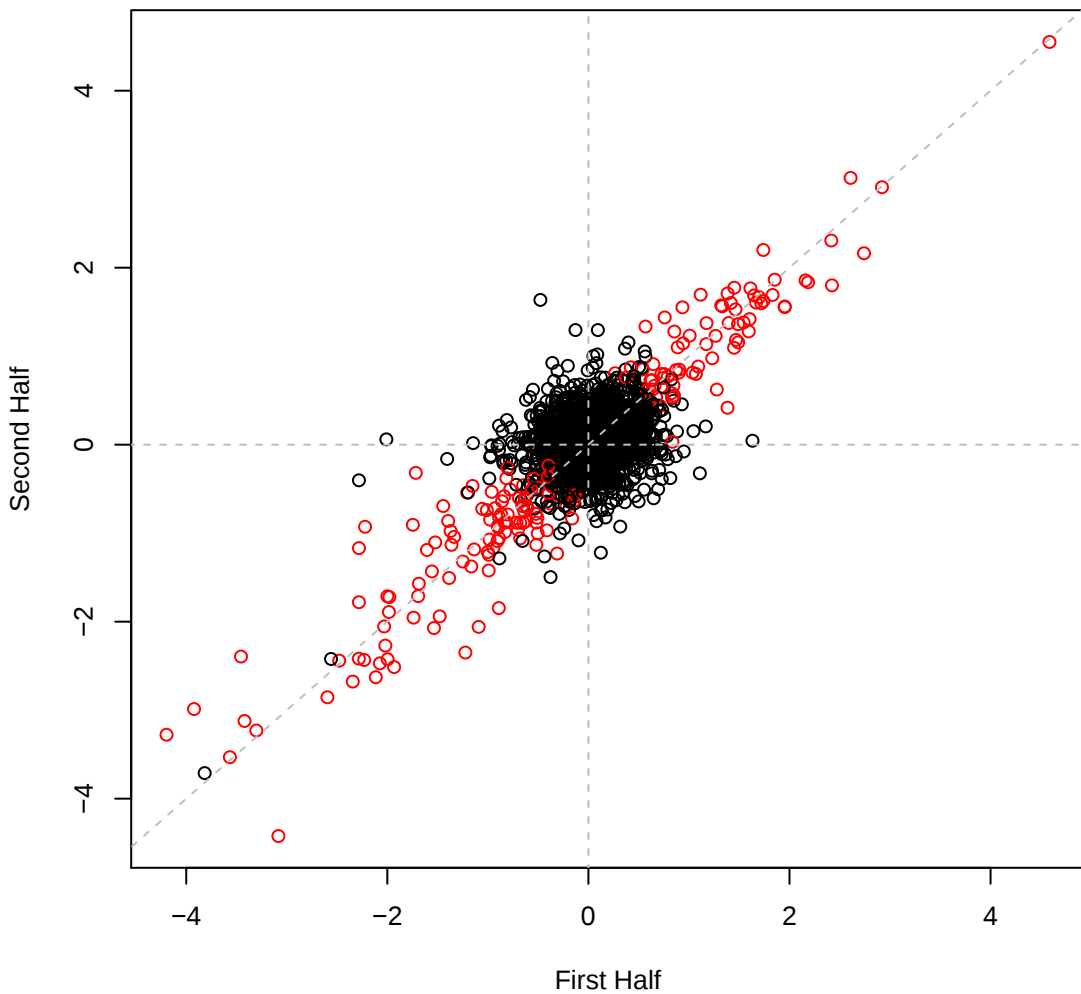
Keio set2IT061 #157 (gMed=100 rho12=0.094)

Tetracycline 0.0016 mg/ml



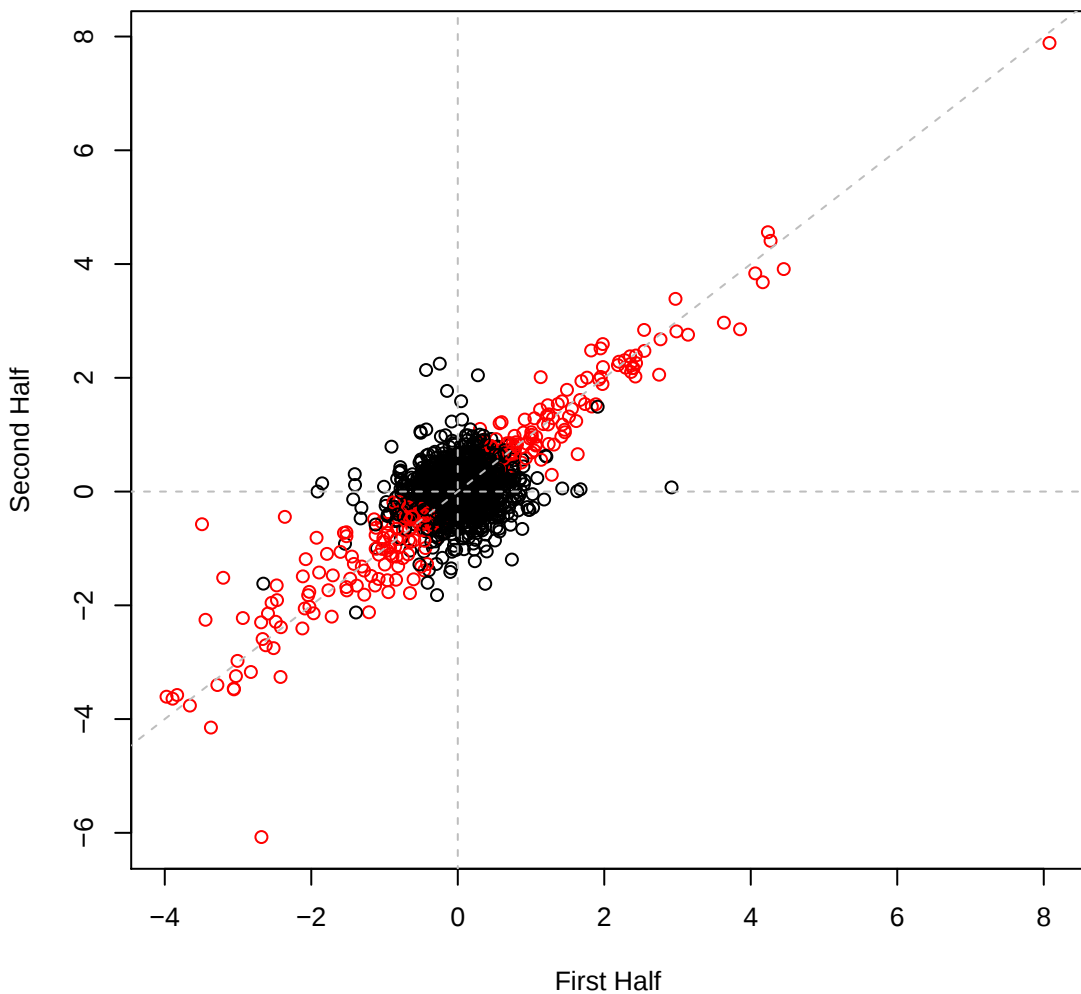
Keio set2IT062 #158 (gMed=126 rho12=0.342)

Spectinomycin 0.00625 mg/ml



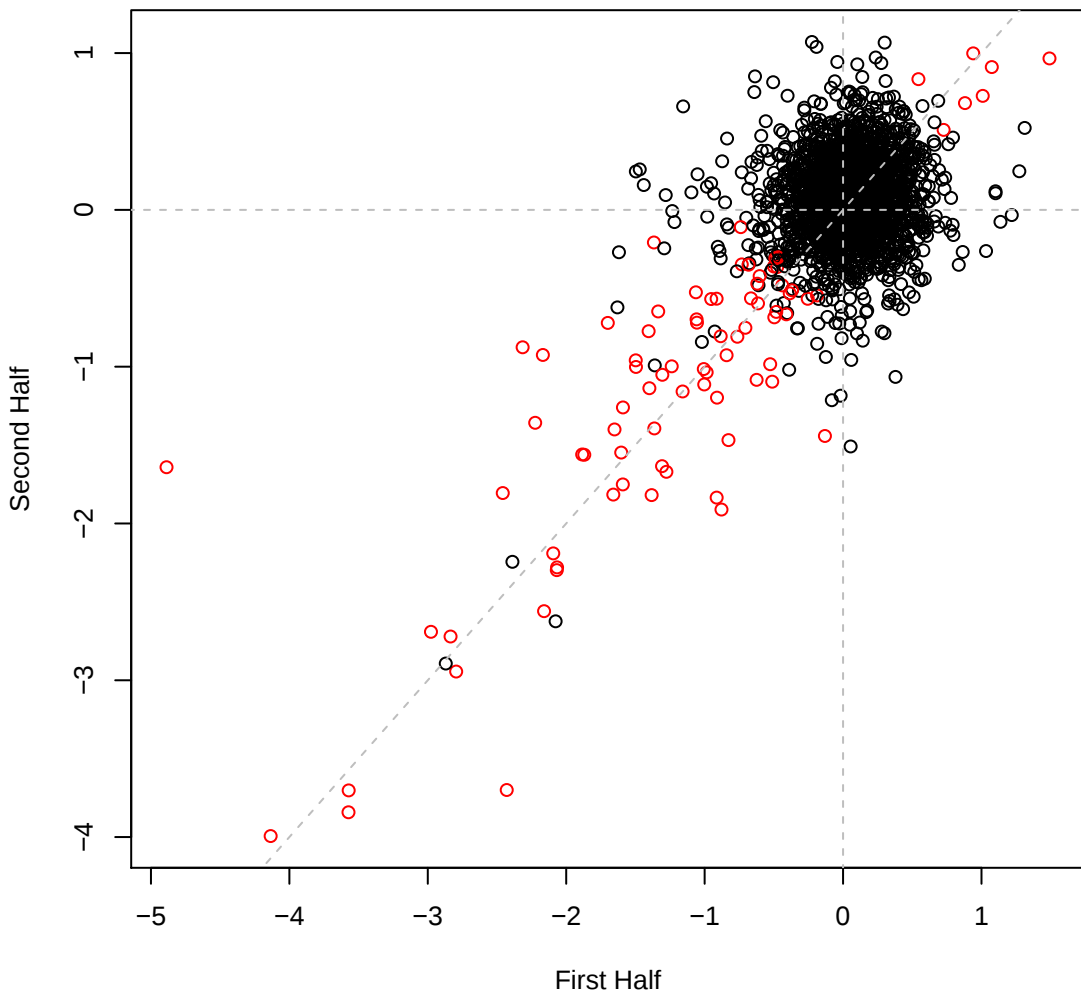
Keio set2IT063 #159 (gMed=102 rho12=0.362)

Spectinomycin 0.0125 mg/ml



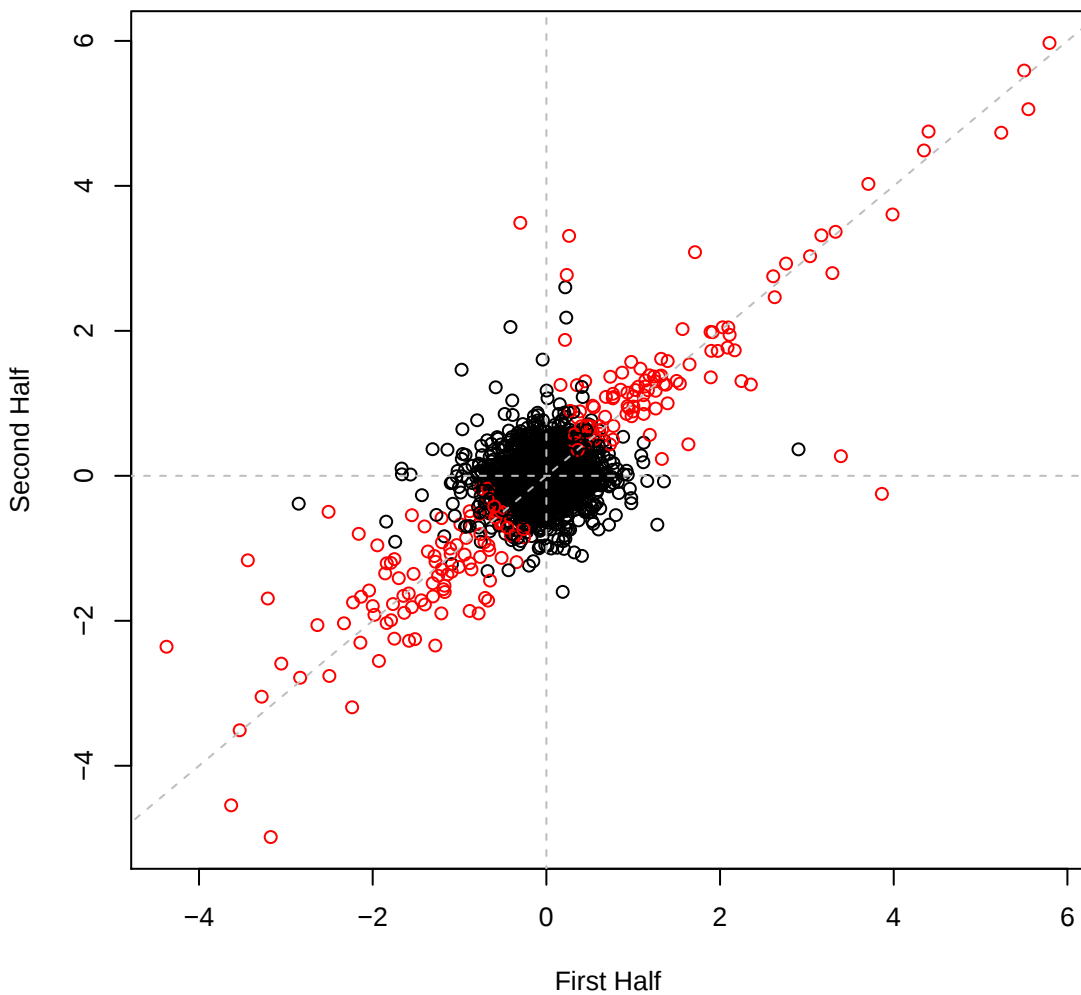
Keio set2IT064 #160 (gMed=107 rho12=0.187)

Carbenicillin 0.004 mg/ml



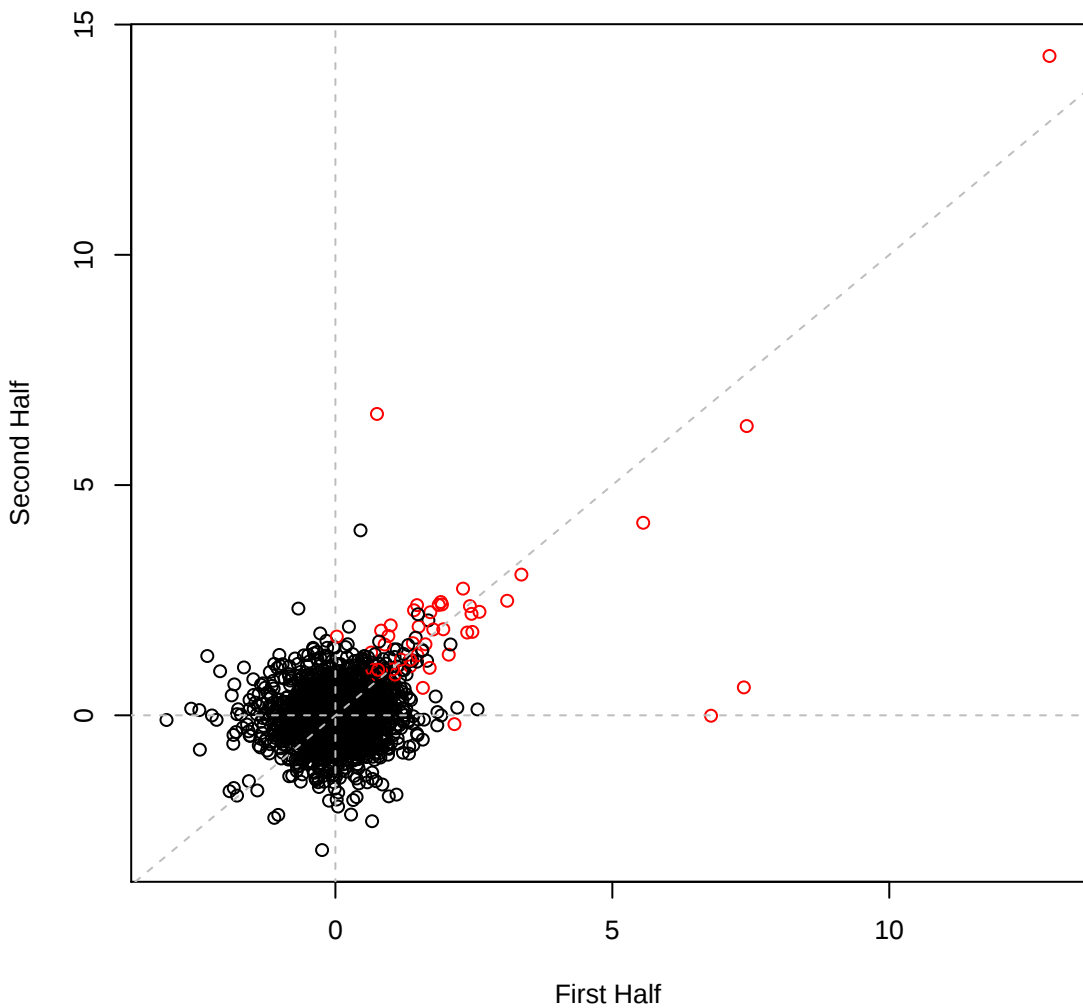
Keio set2IT065 #161 (gMed=96 rho12=0.331)

Carbenicillin 0.008 mg/ml

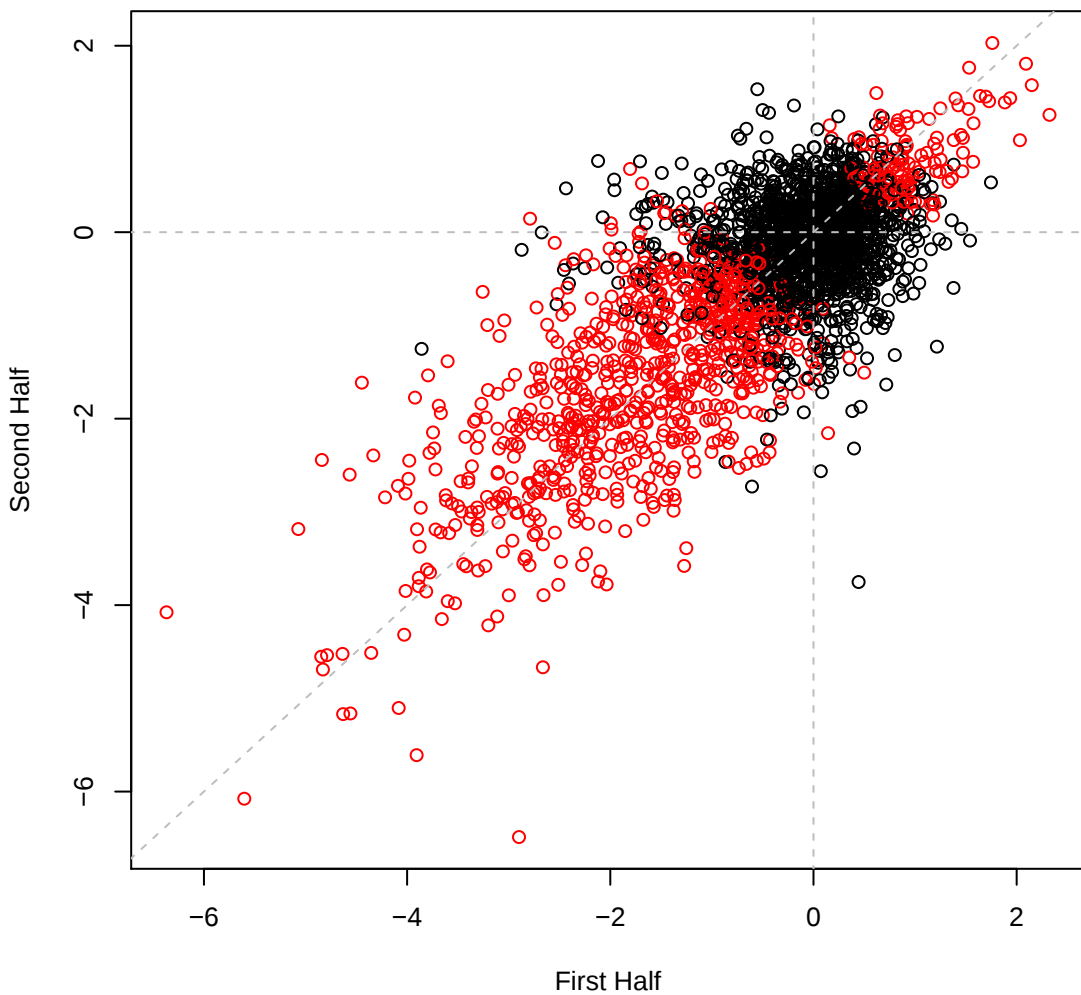


Keio set2IT066 #162 (gMed=7 rho12=0.136)

Carbenicillin 0.016 mg/ml

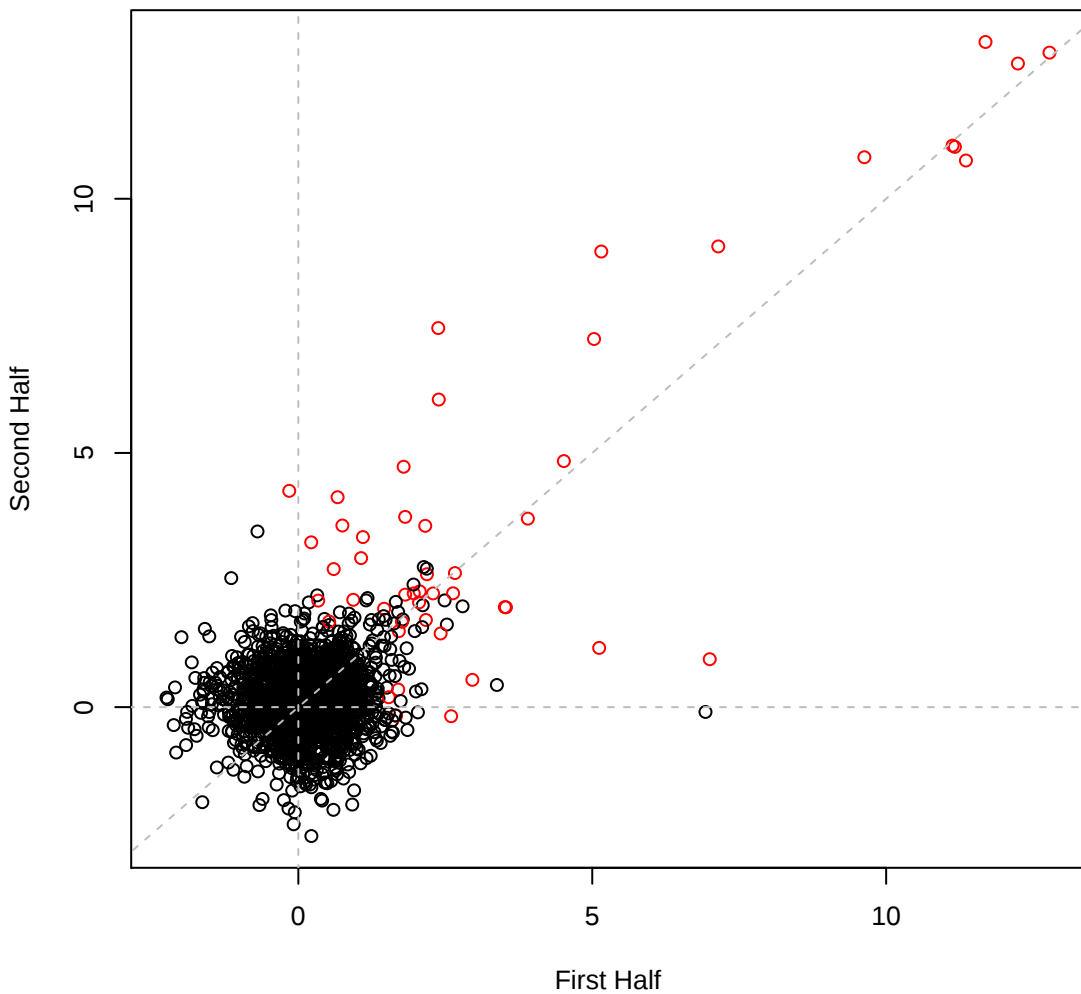


**Keio set2IT067 #163 (gMed=112 rho12=0.659)**  
**Gentamicin 0.004 mg/ml**



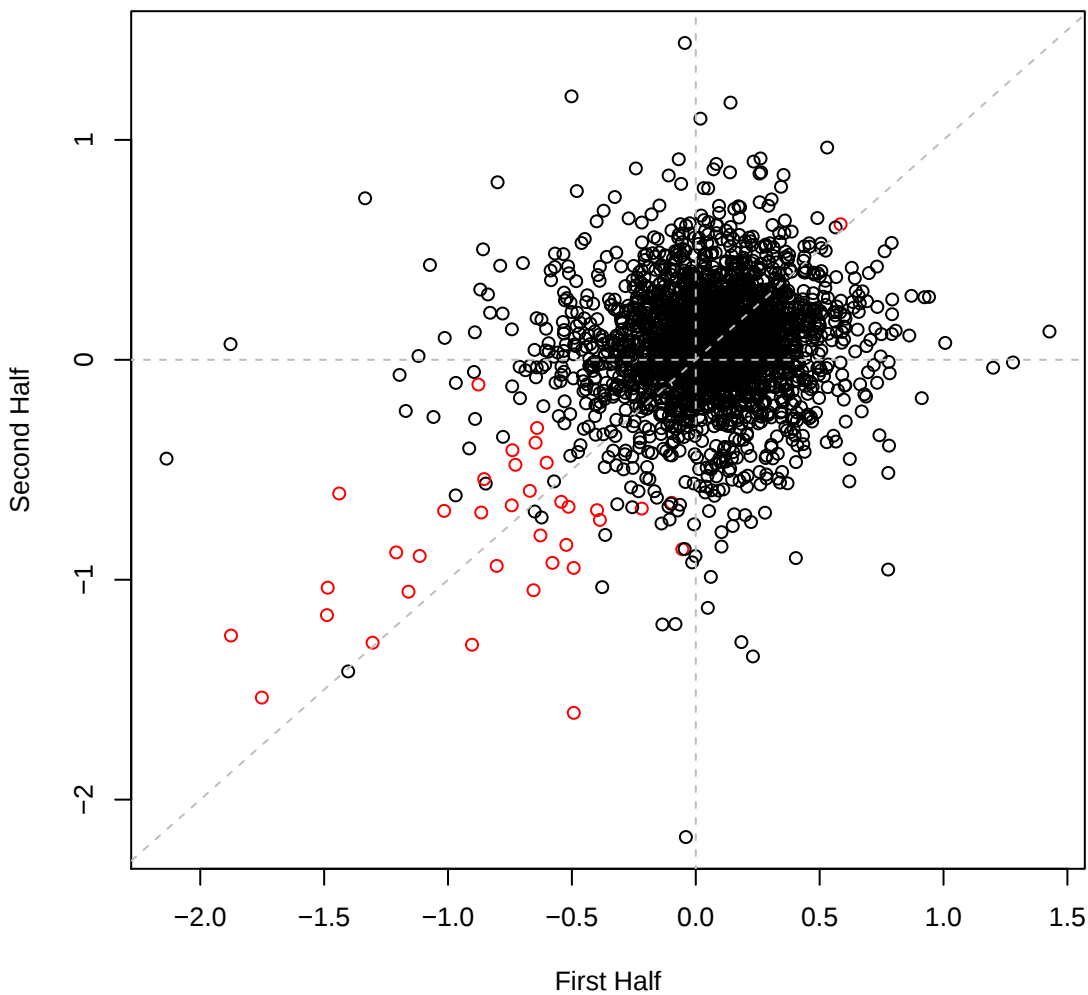
Keio set2IT068 #164 (gMed=2 rho12=0.106)

Gentamicin 0.008 mg/ml

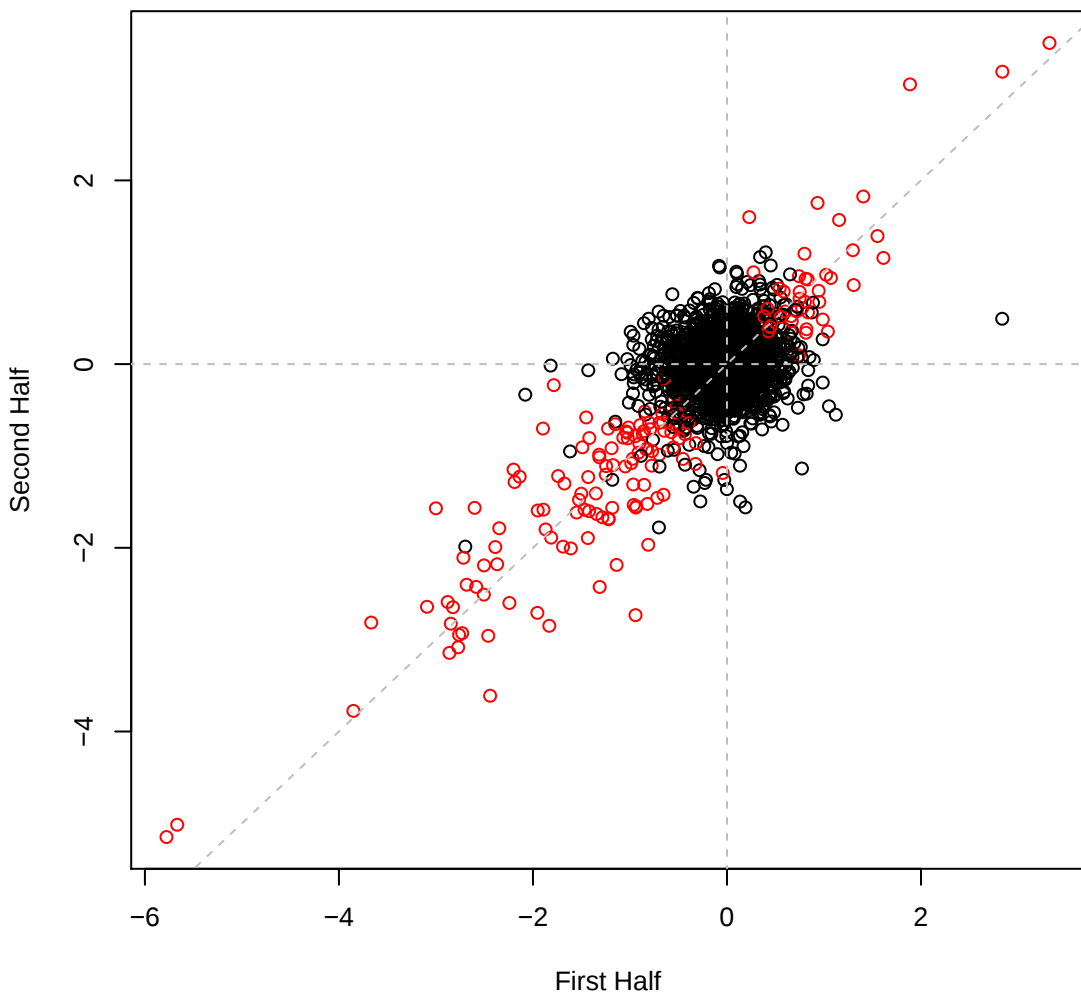


Keio set2IT069 #165 (gMed=106 rho12=0.118)

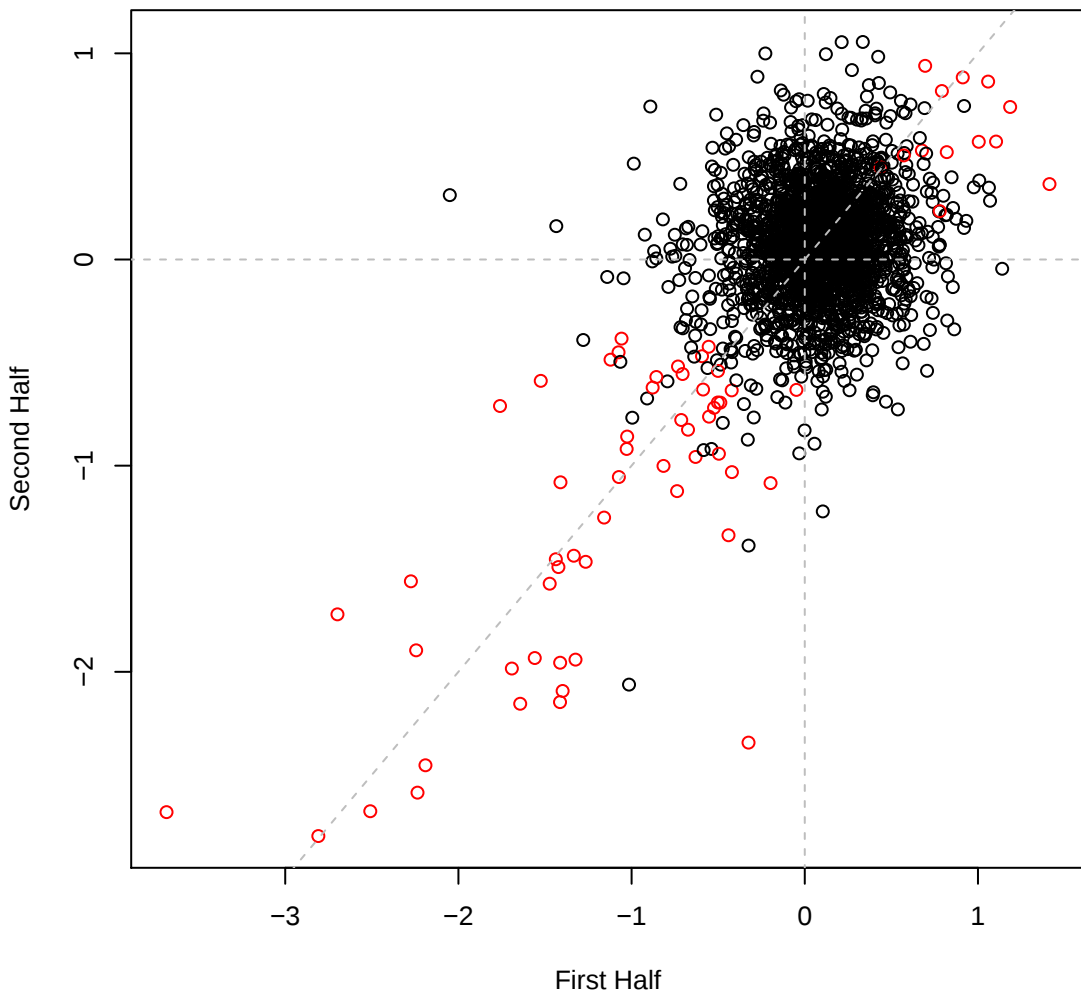
LB



**Keio set2IT070 #166 (gMed=93 rho12=0.285)**  
**methylglyoxal 0.008 vol%**

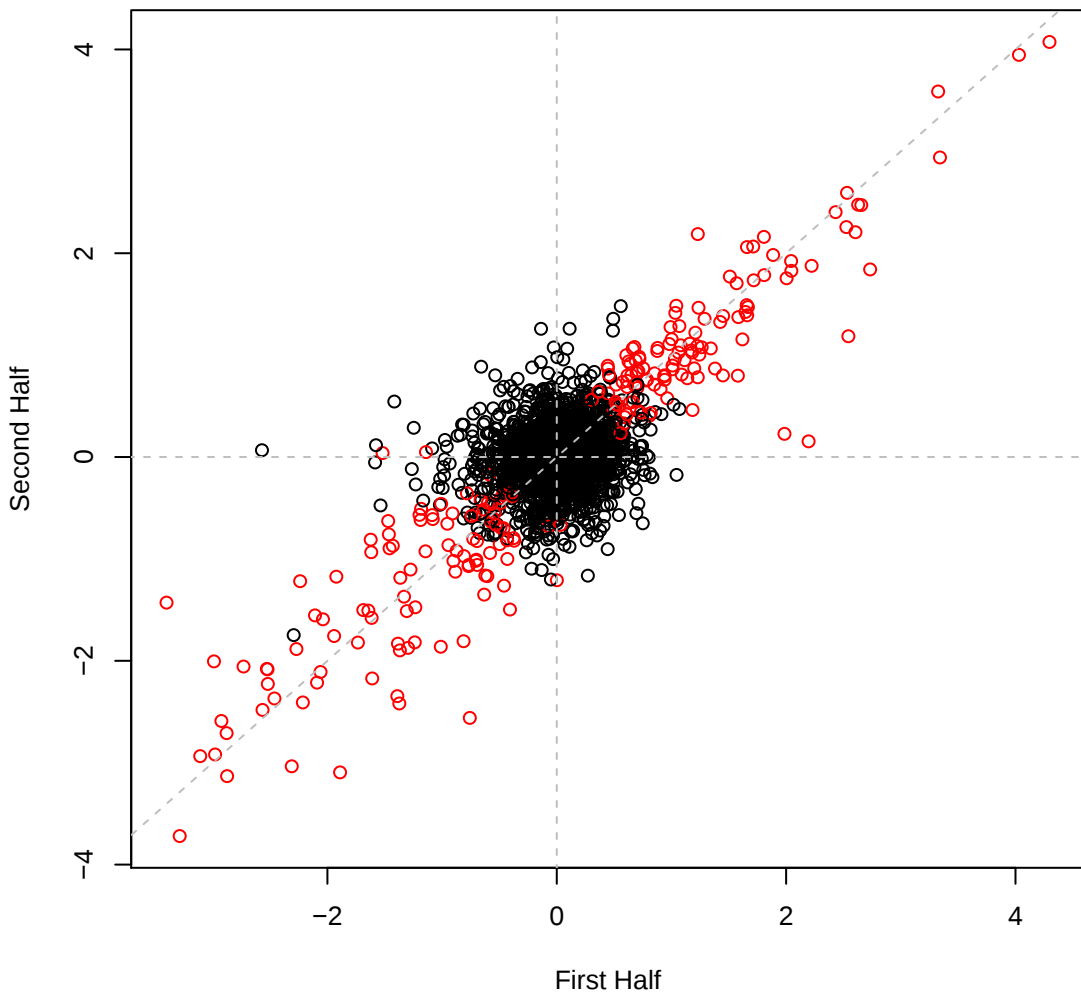


**Keio set2IT071 #167 (gMed=111 rho12=0.153)**  
**2-Furfuraldehyde 0.125 vol%**

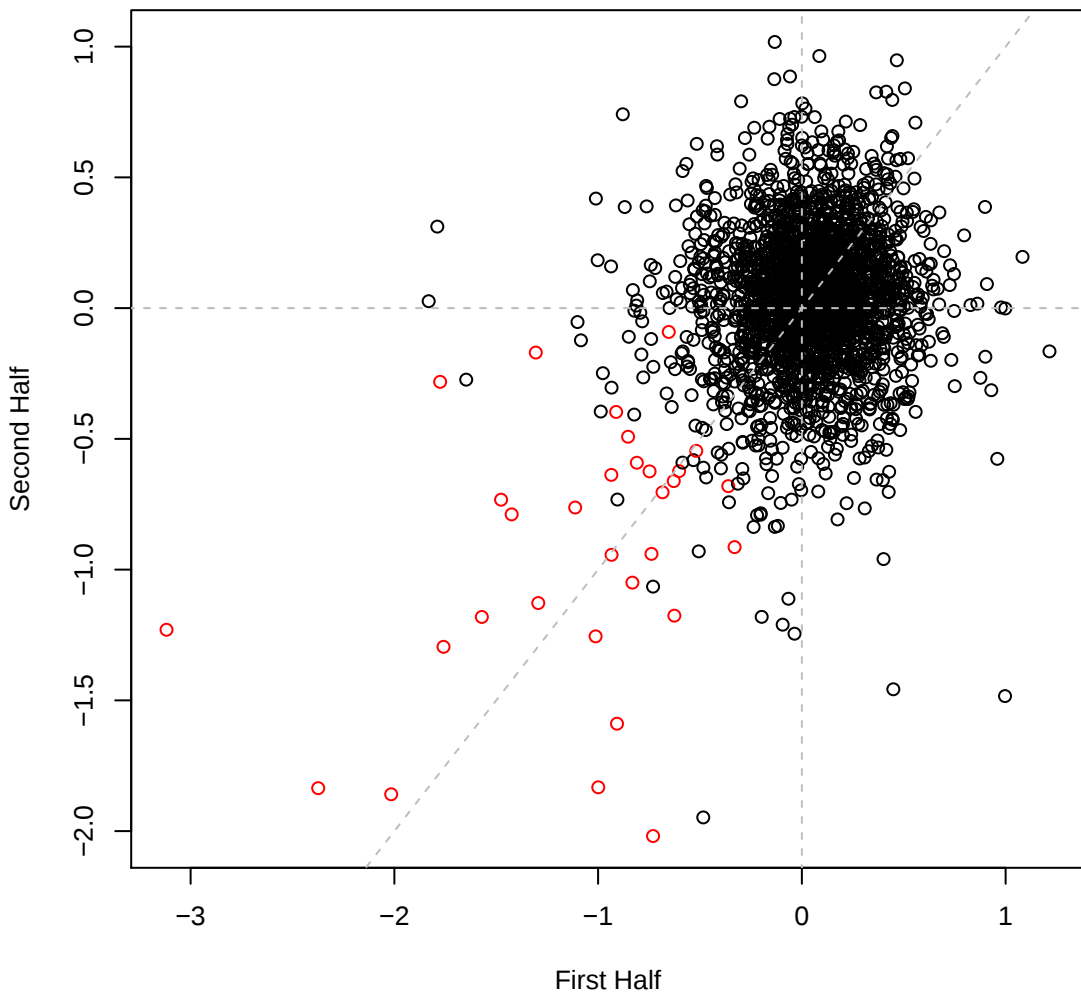


Keio set2IT072 #168 (gMed=98 rho12=0.336)

2-Furfuraldehyde 0.25 vol%

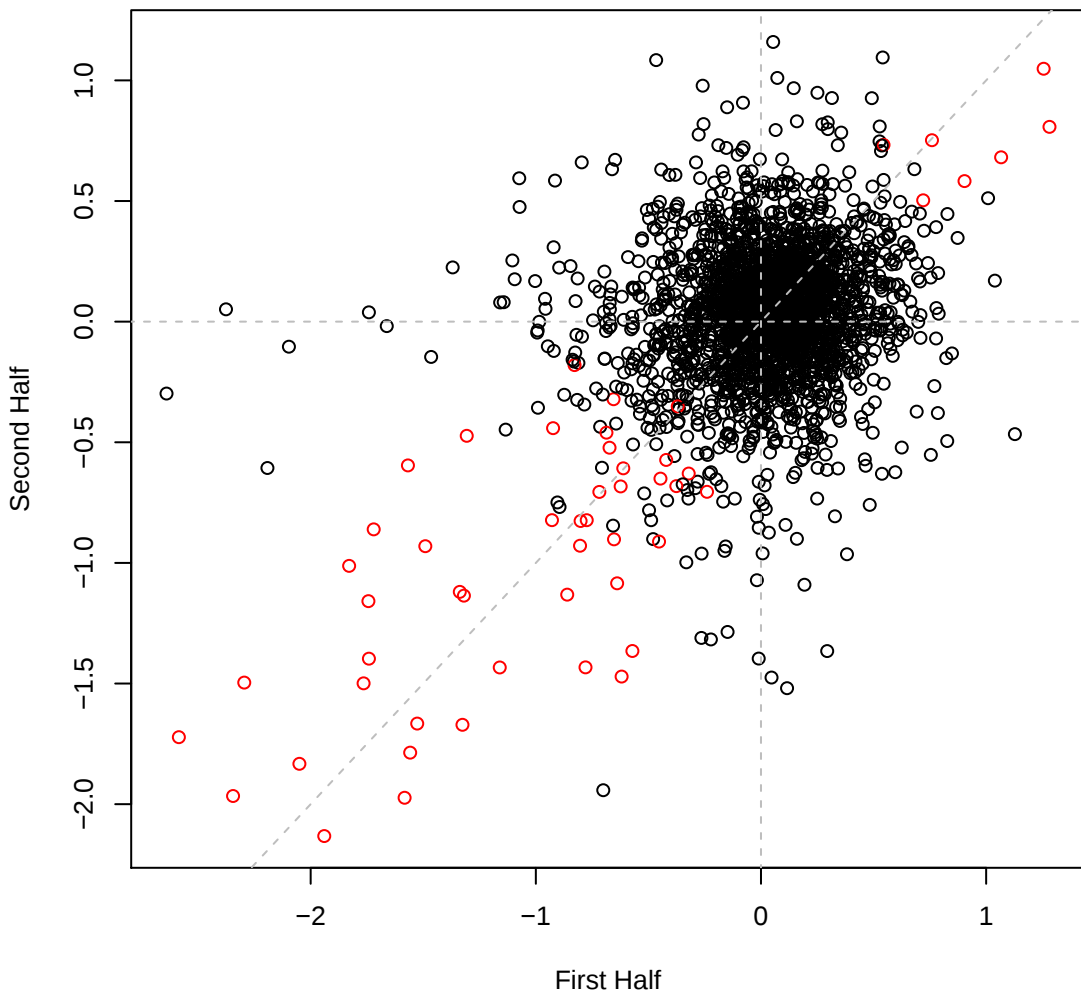


**Keio set2IT073 #169 (gMed=104 rho12=0.092)**  
**5-Hydroxymethylfurfural 10 mM**



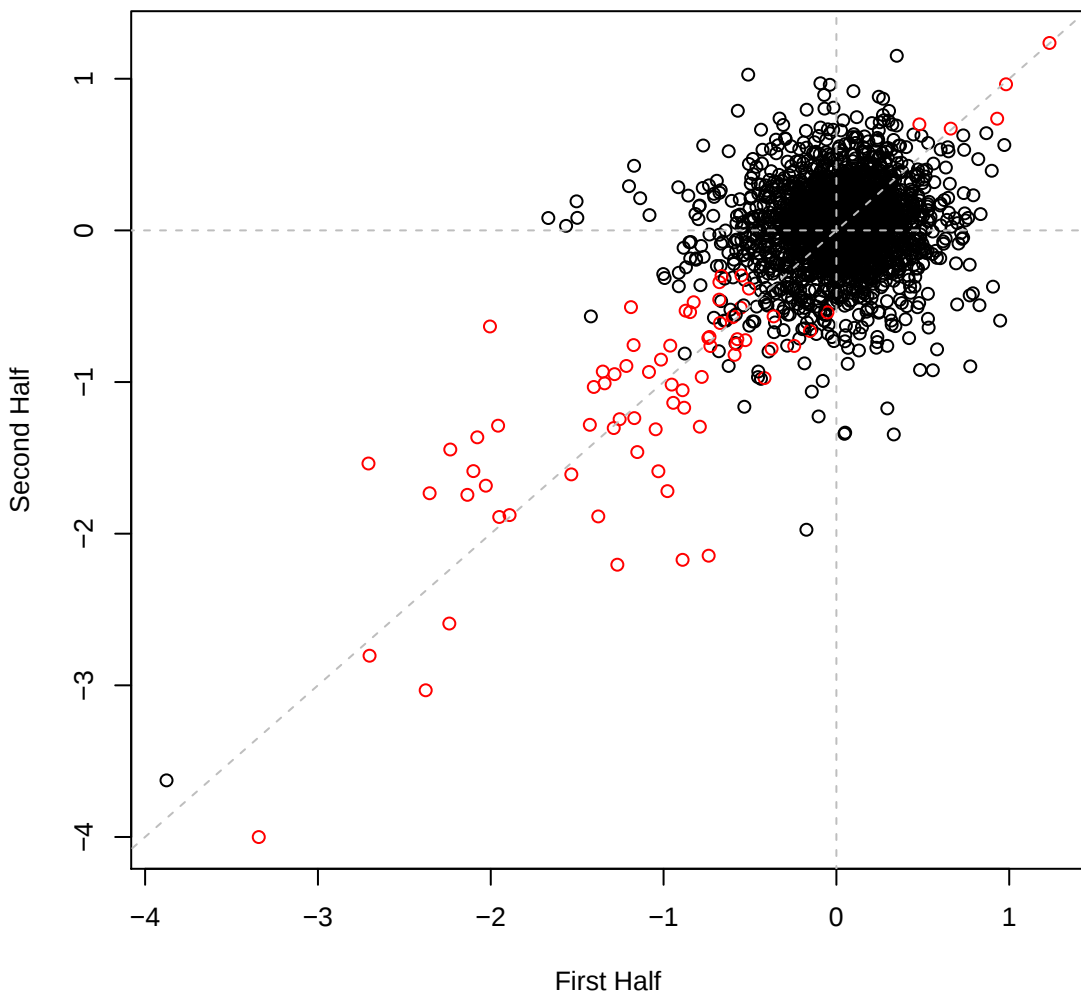
Keio set2IT074 #170 (gMed=90 rho12=0.163)

5-Hydroxymethylfurfural 20 mM

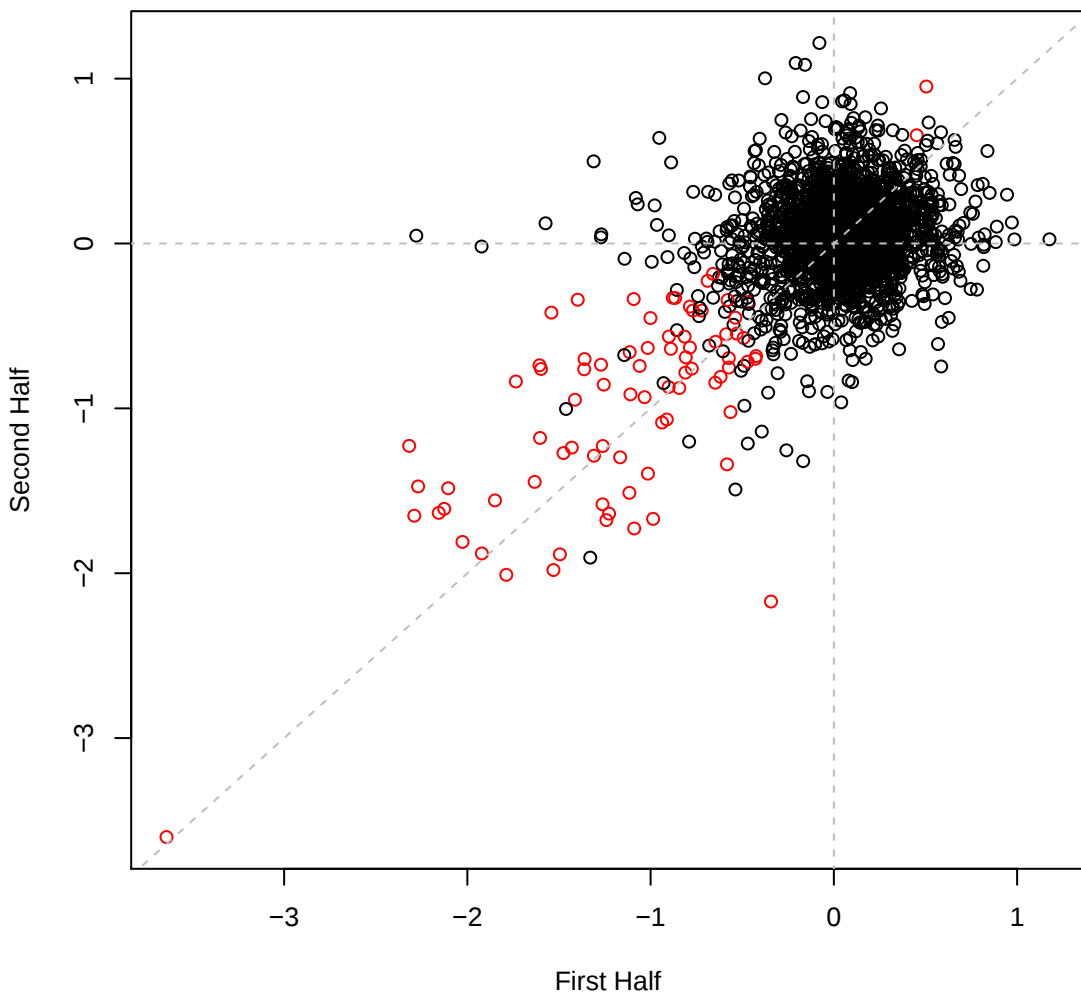


Keio set2IT075 #171 (gMed=102 rho12=0.164)

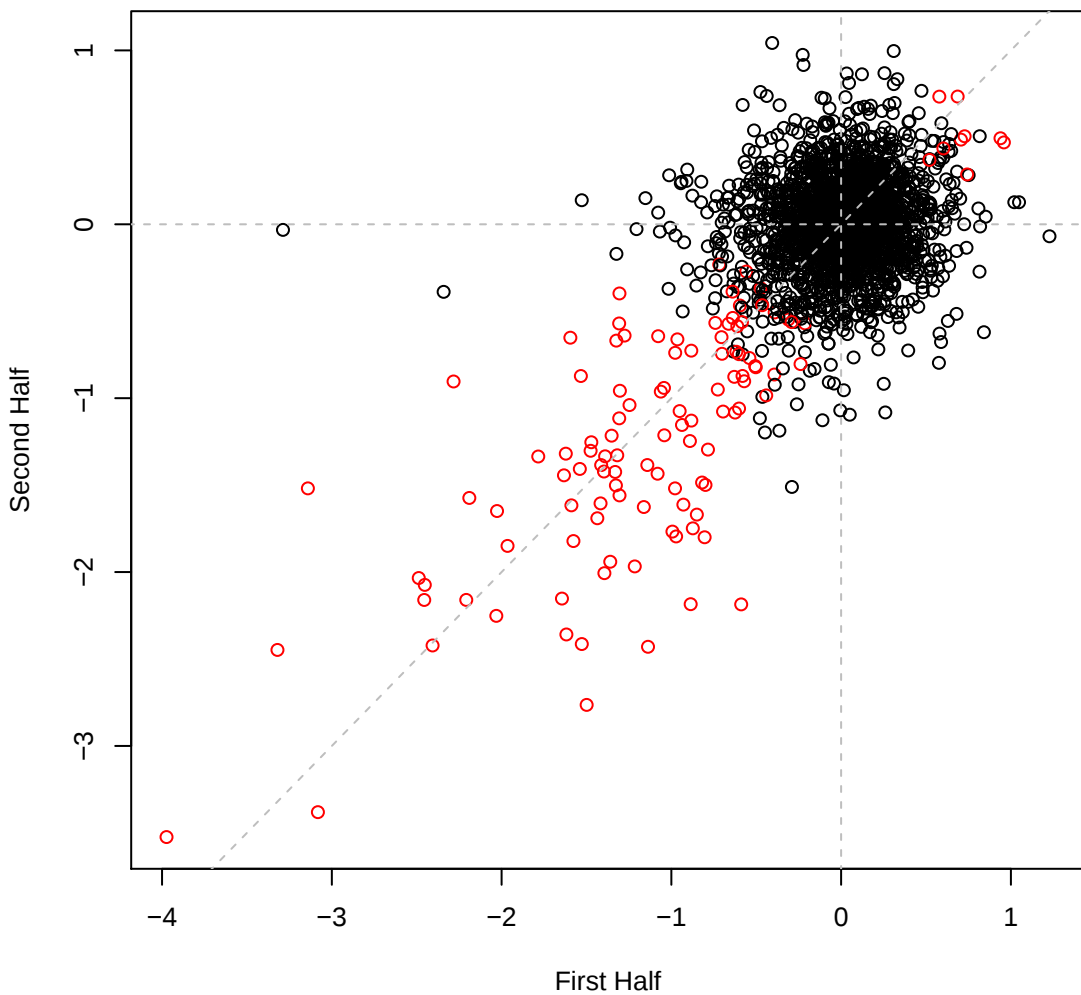
Vanillin 5 mM



**Keio set2IT076 #172 (gMed=114 rho12=0.185)**  
**syringaldehyde 5 mM**

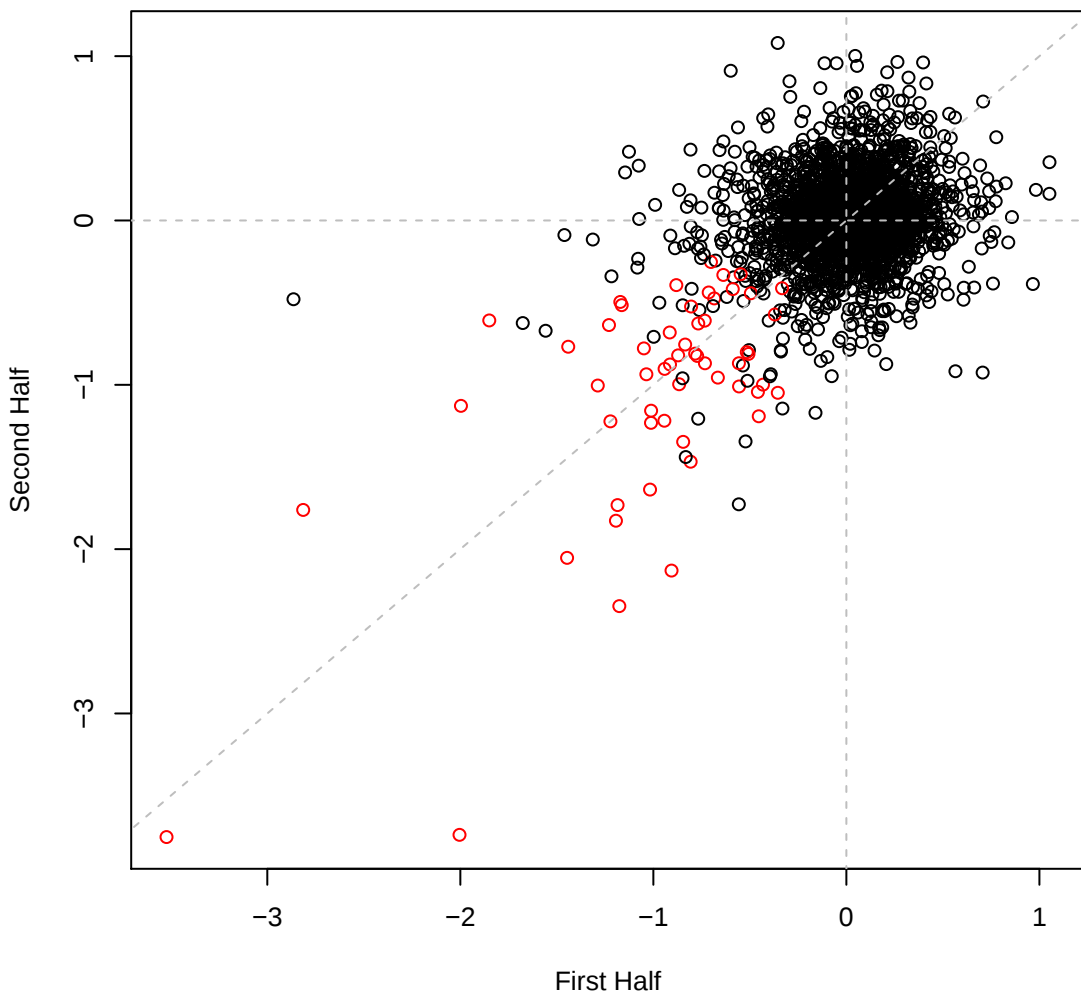


**Keio set2IT077 #173 (gMed=105 rho12=0.205)**  
**syringaldehyde 10 mM**



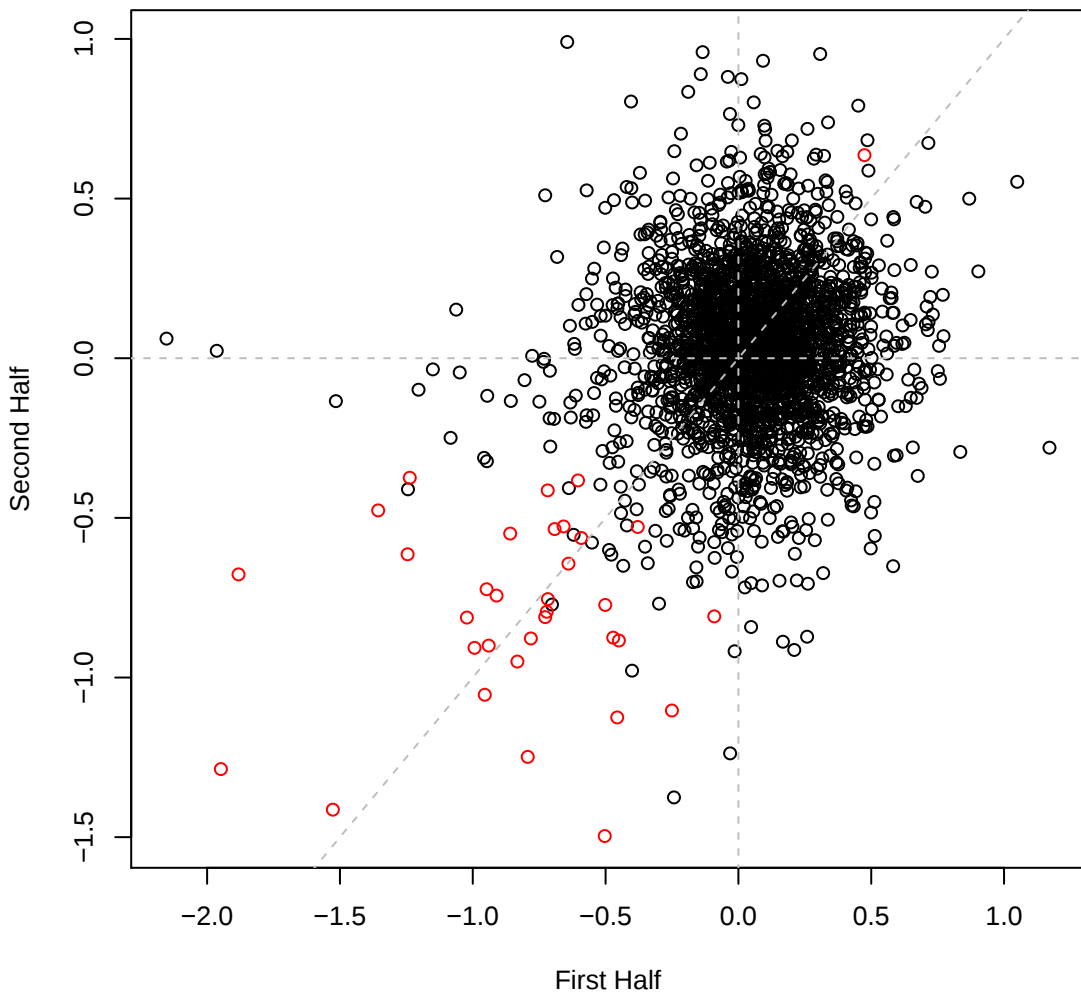
Keio set2IT078 #174 (gMed=106 rho12=0.164)

Dimethyl Sulfoxide 10 vol%

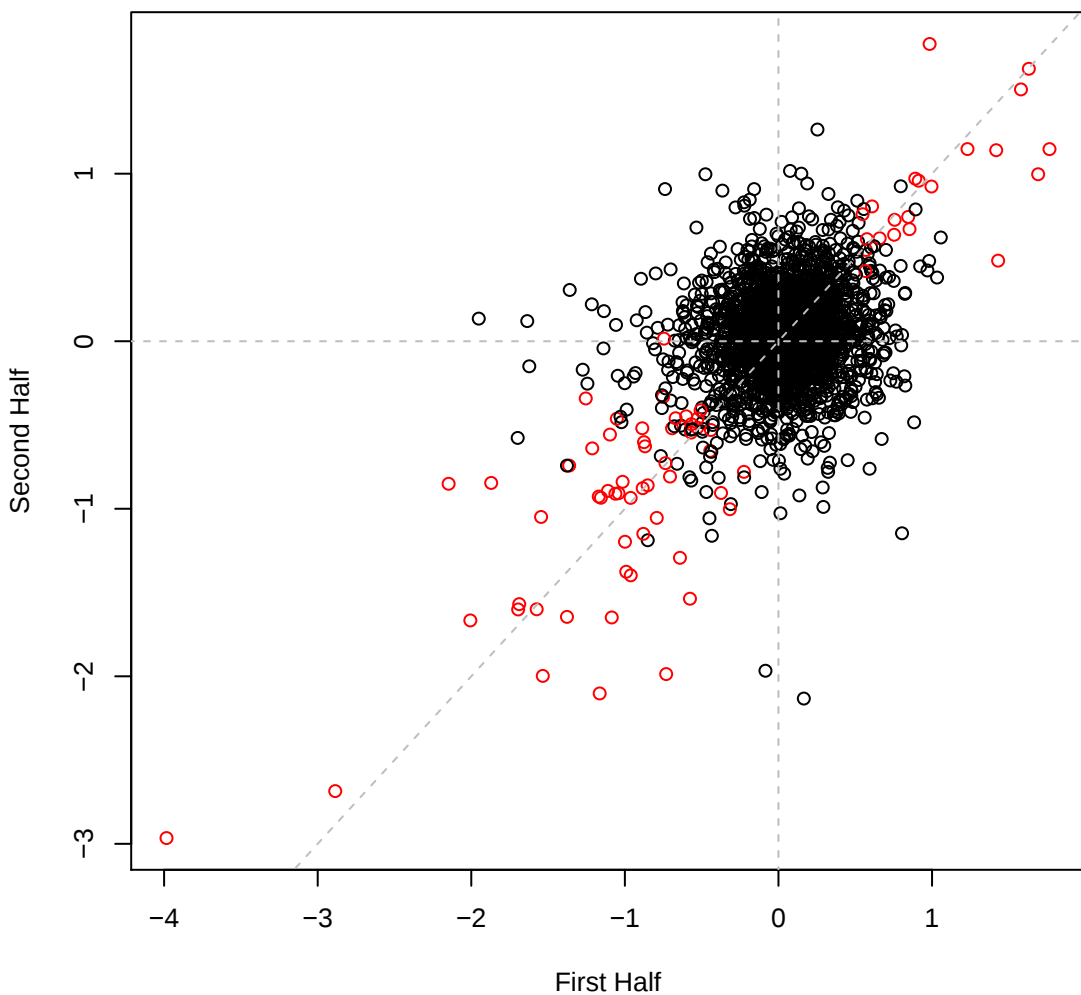


Keio set2IT079 #175 (gMed=139 rho12=0.076)

LB

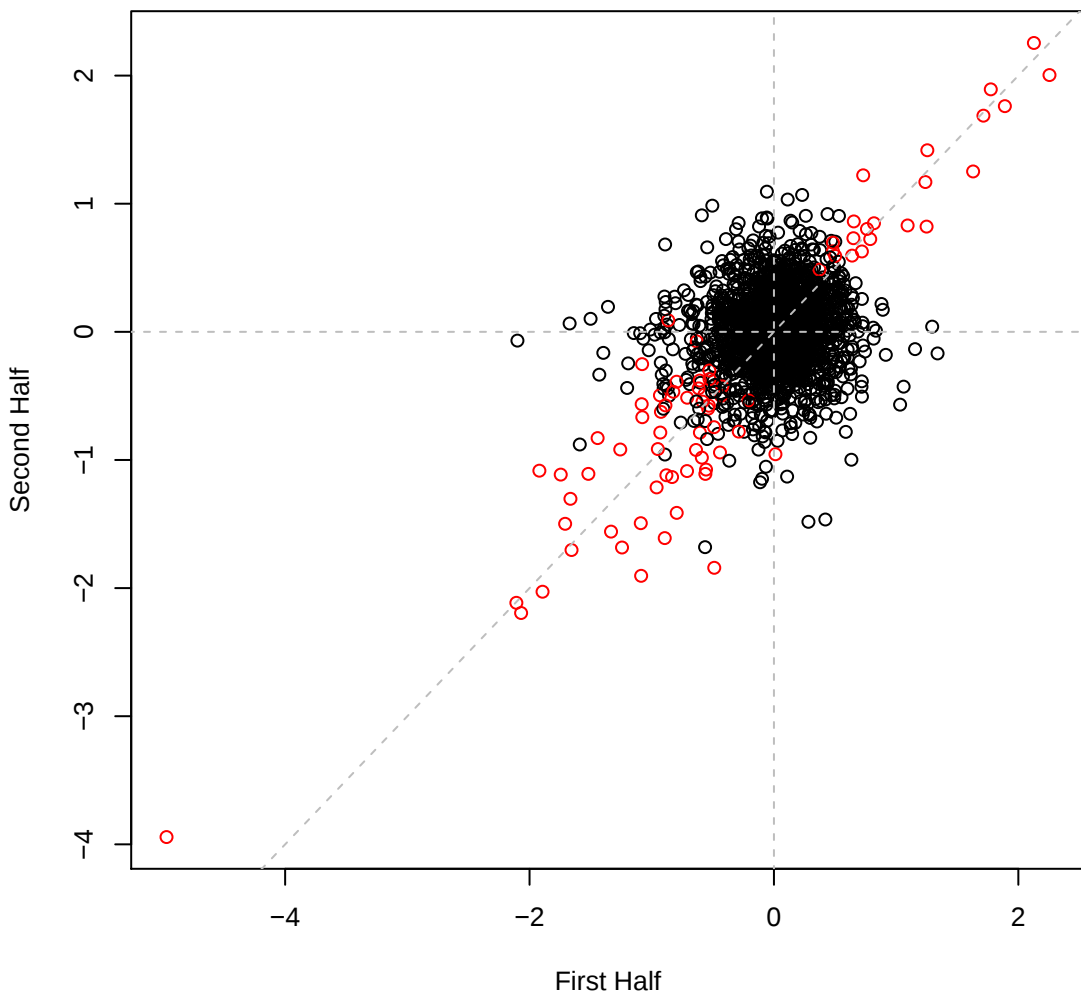


**Keio set2IT080 #176 (gMed=103 rho12=0.192)**  
**Cholin acetate 75 mM**

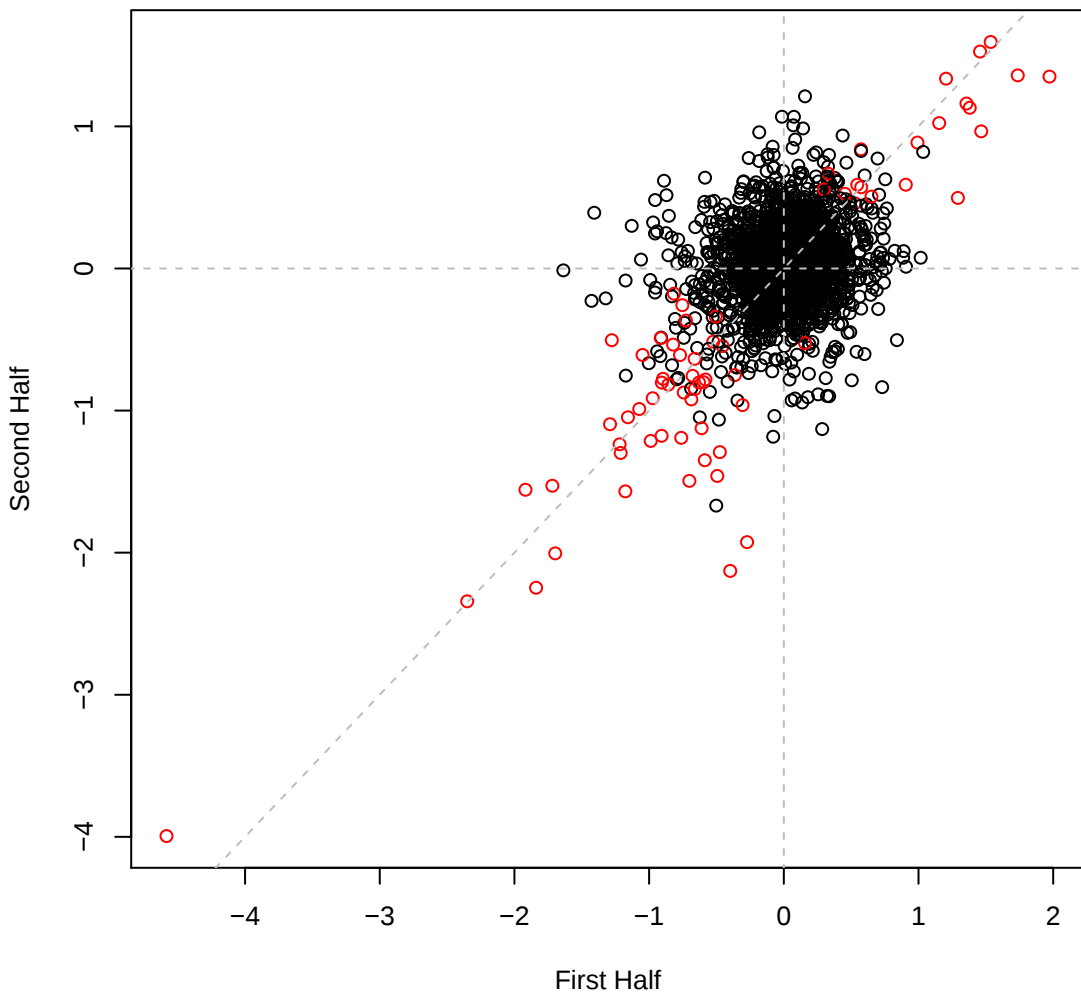


Keio set2IT081 #177 (gMed=98 rho12=0.148)

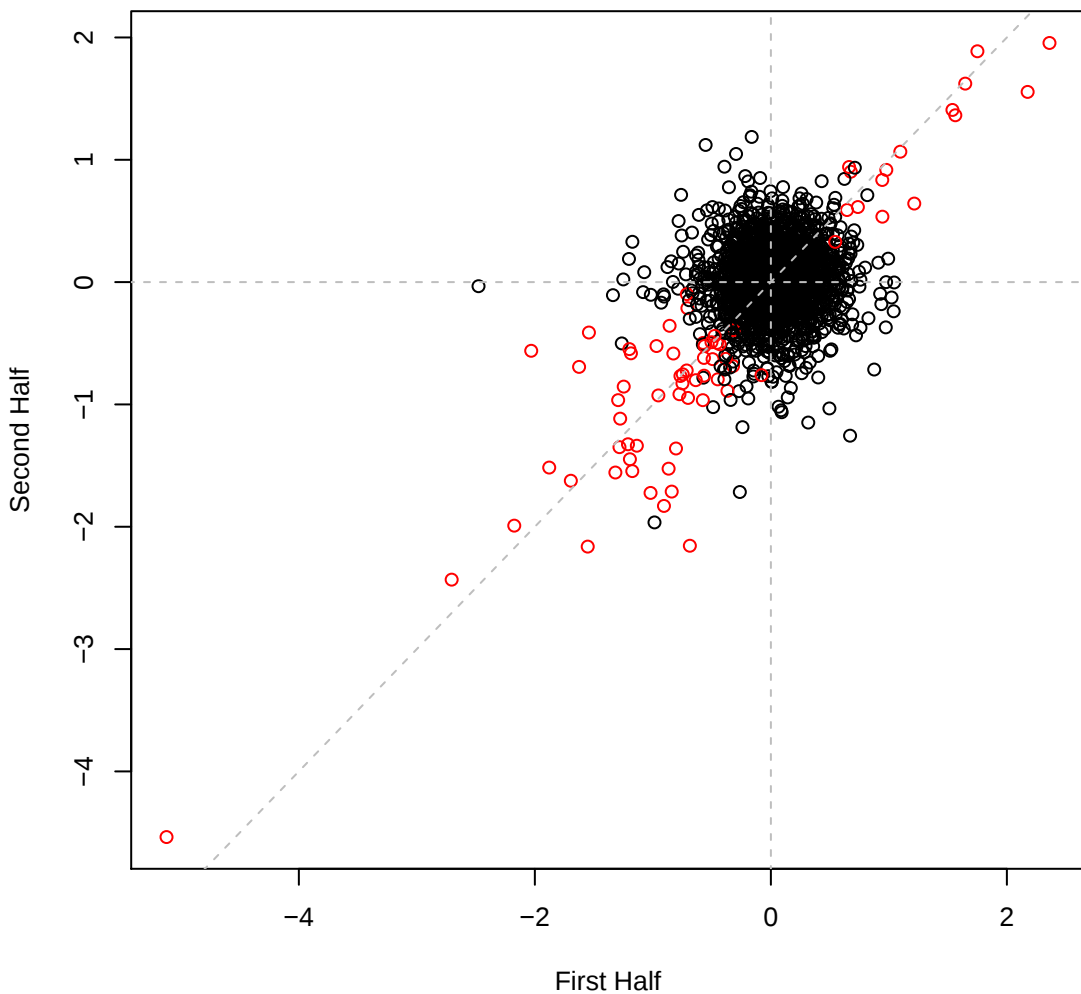
Cholin acetate 150 mM



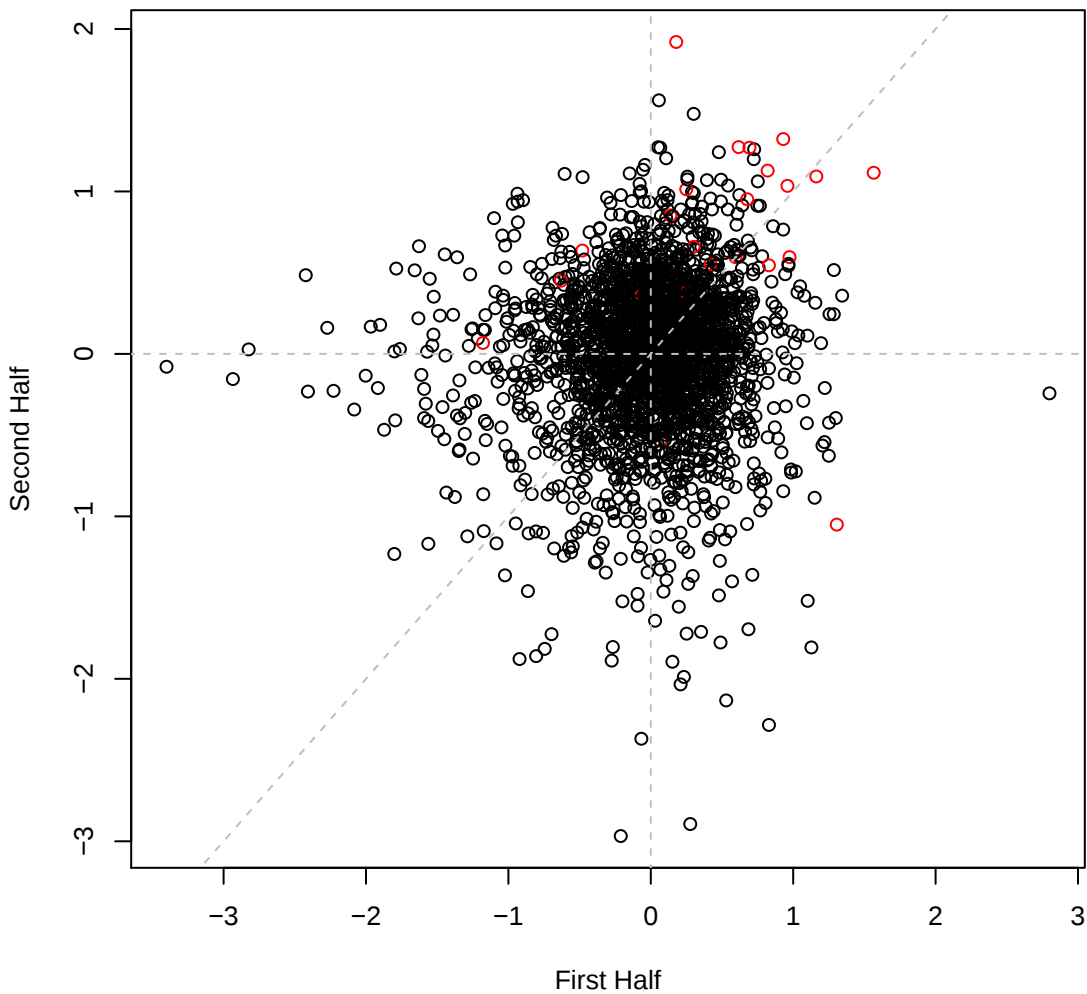
**Keio set2IT082 #178 (gMed=99 rho12=0.177)**  
**acetate 70 mM**



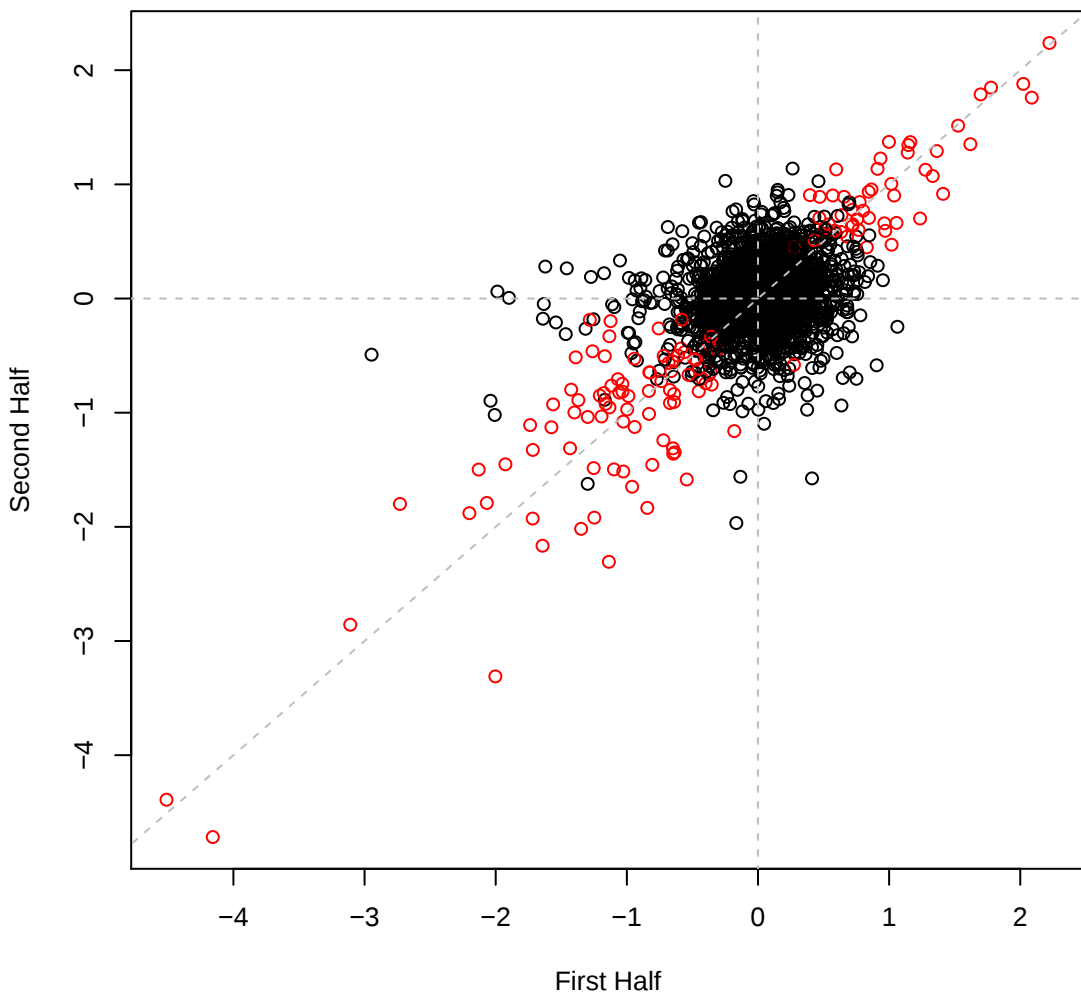
**Keio set2IT083 #179 (gMed=114 rho12=0.126)**  
**acetate 140 mM**



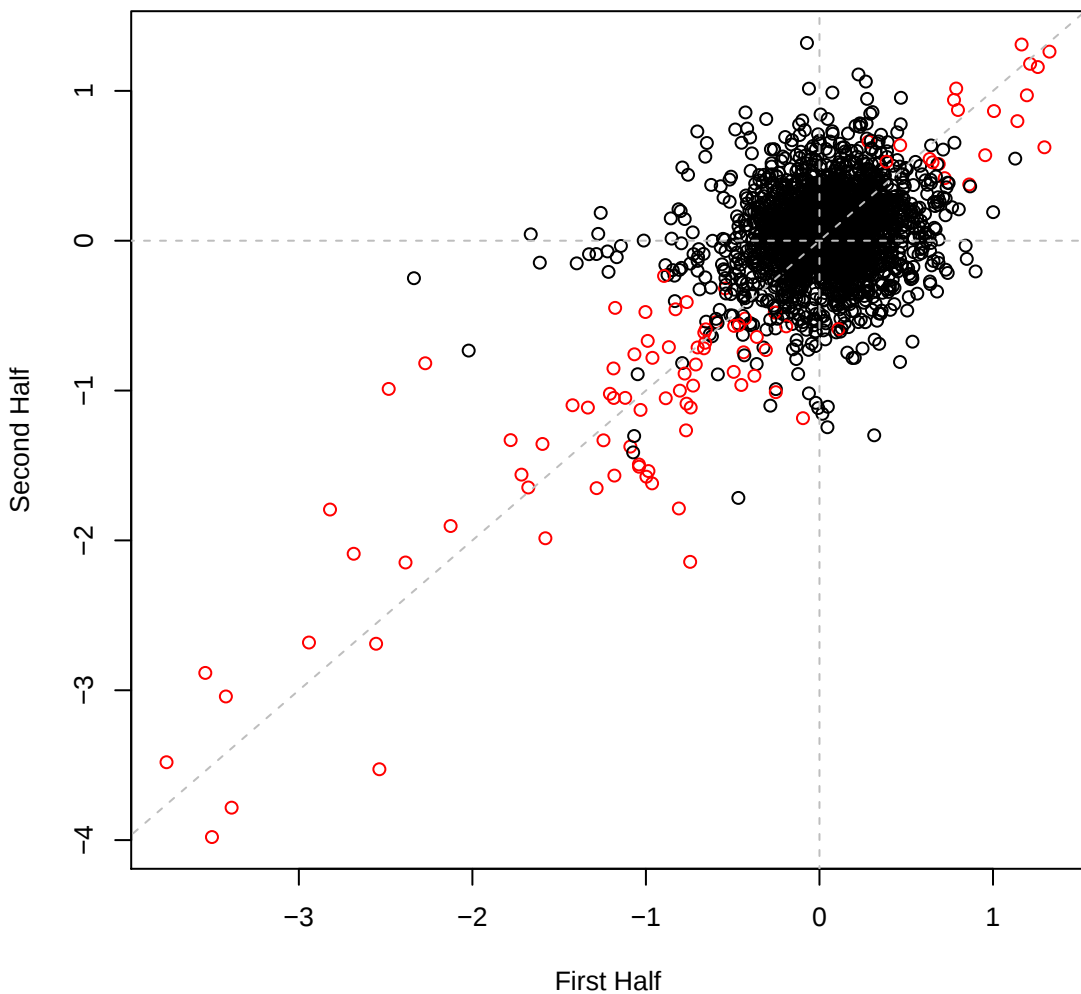
**Keio set2IT084 #180 (gMed=30 rho12=0.070)**  
**1-ethyl-3-methylimidazolium lysine 10 mM**



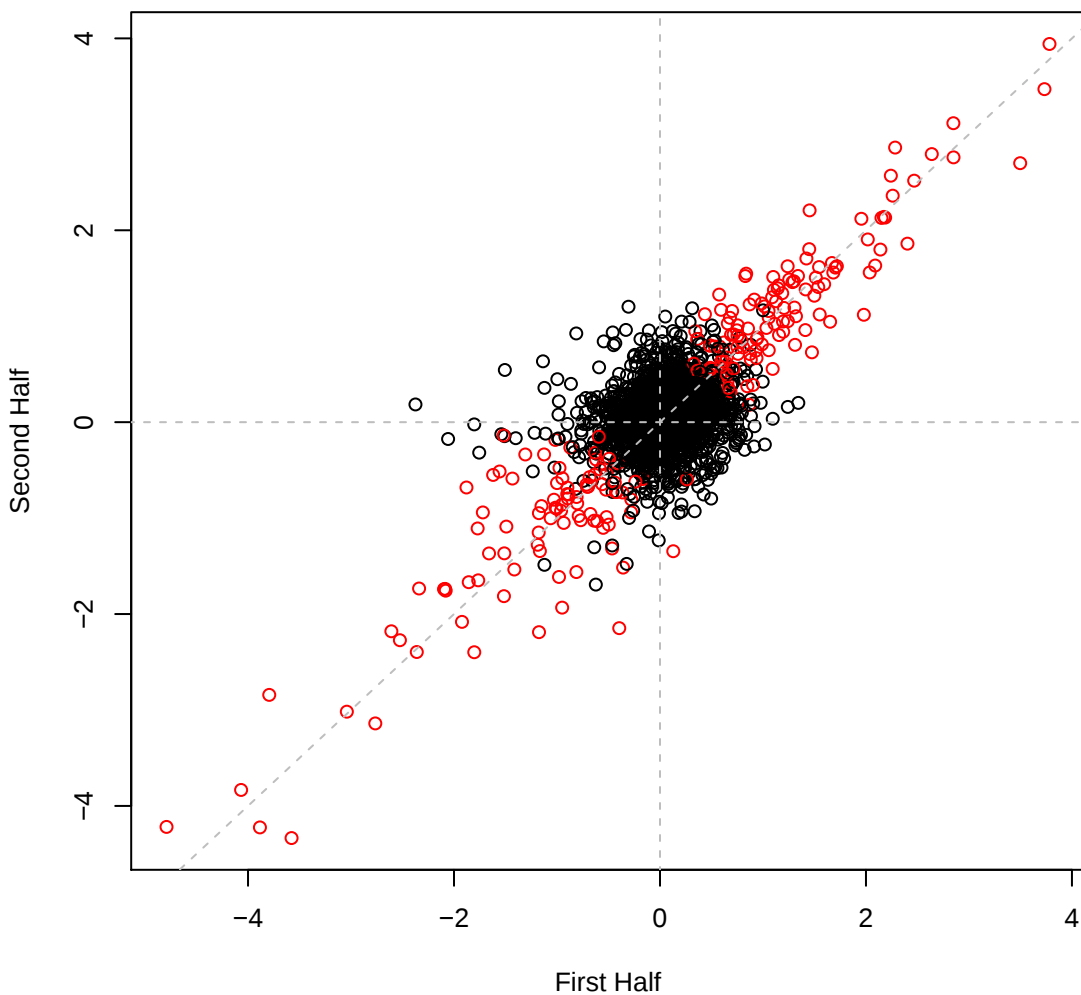
**Keio set2IT085 #181 (gMed=103 rho12=0.281)**  
**1-ethyl-3-methylimidazolium acetate 30 mM**



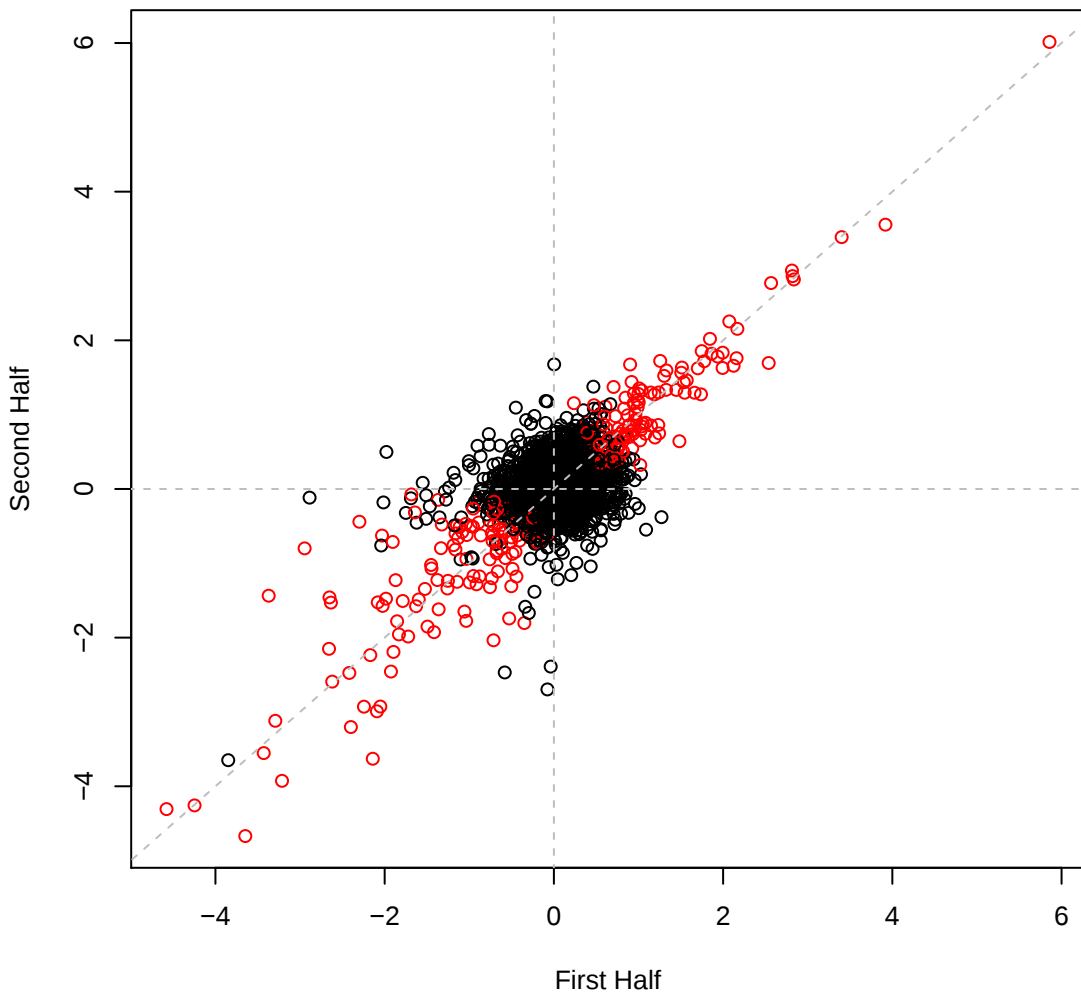
**Keio set2IT086 #182 (gMed=105 rho12=0.237)**  
**1-ethyl-3-methylimidazolium acetate 60 mM**



**Keio set2IT087 #183 (gMed=112 rho12=0.356)**  
**1-ethyl-3-methylimidazolium chloride 40 mM**

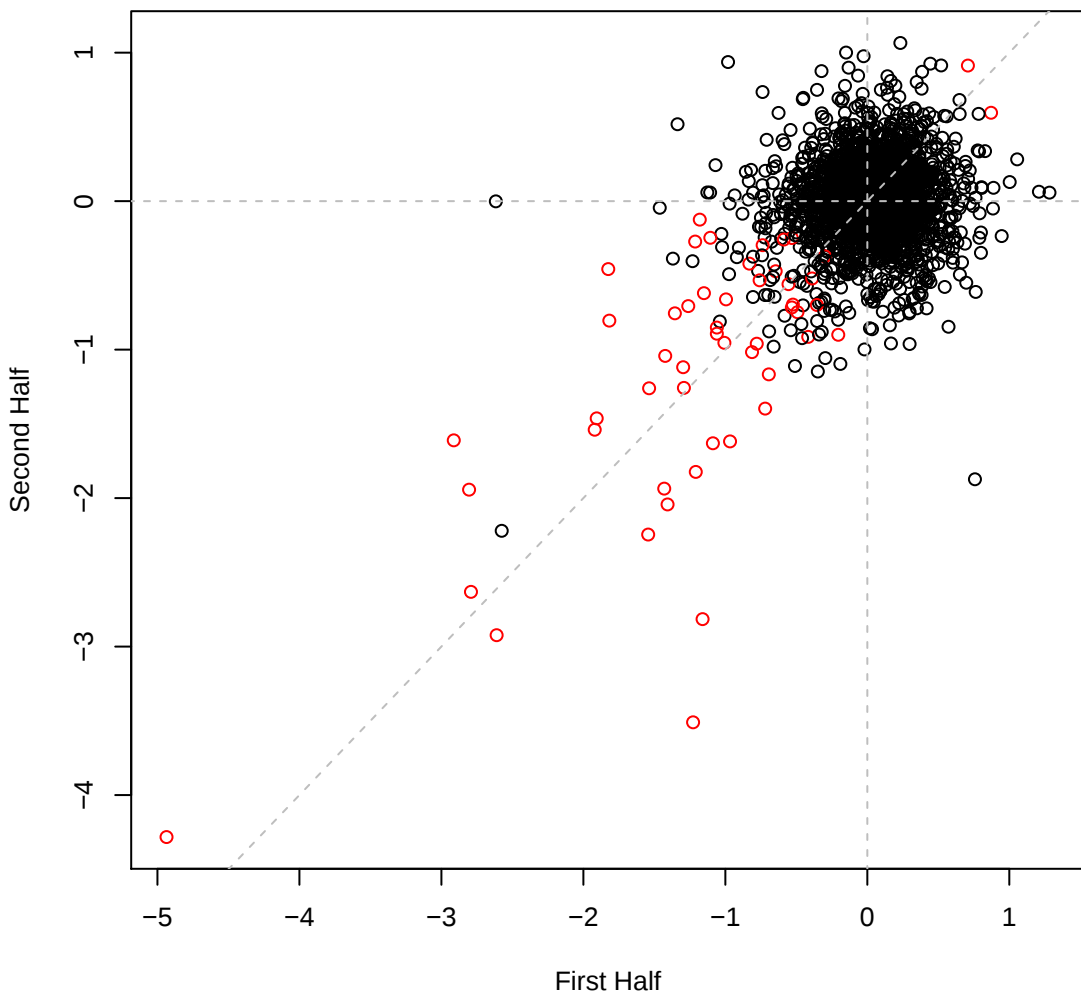


**Keio set2IT088 #184 (gMed=90 rho12=0.374)**  
**1-ethyl-3-methylimidazolium chloride 80 mM**



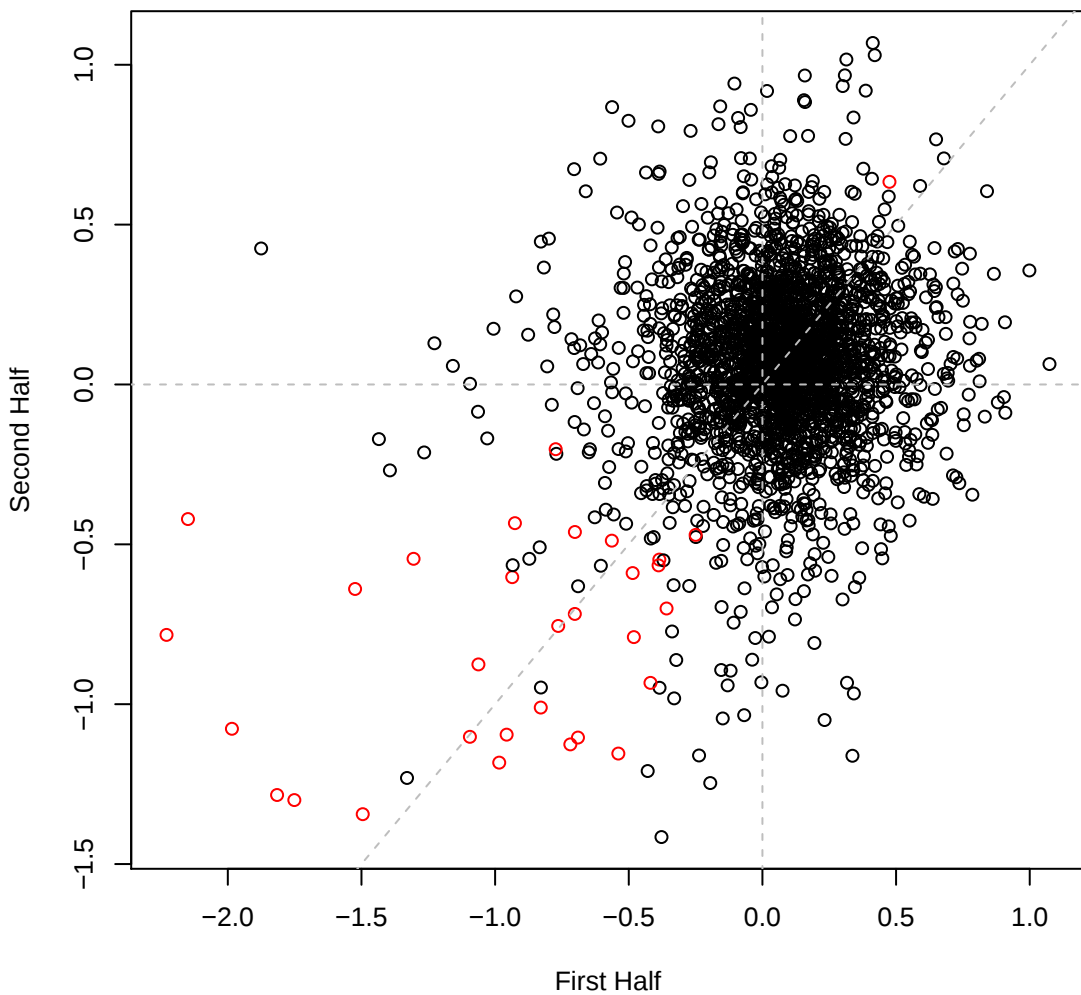
Keio set2IT089 #185 (gMed=91 rho12=0.120)

L-Lysine 200 mM



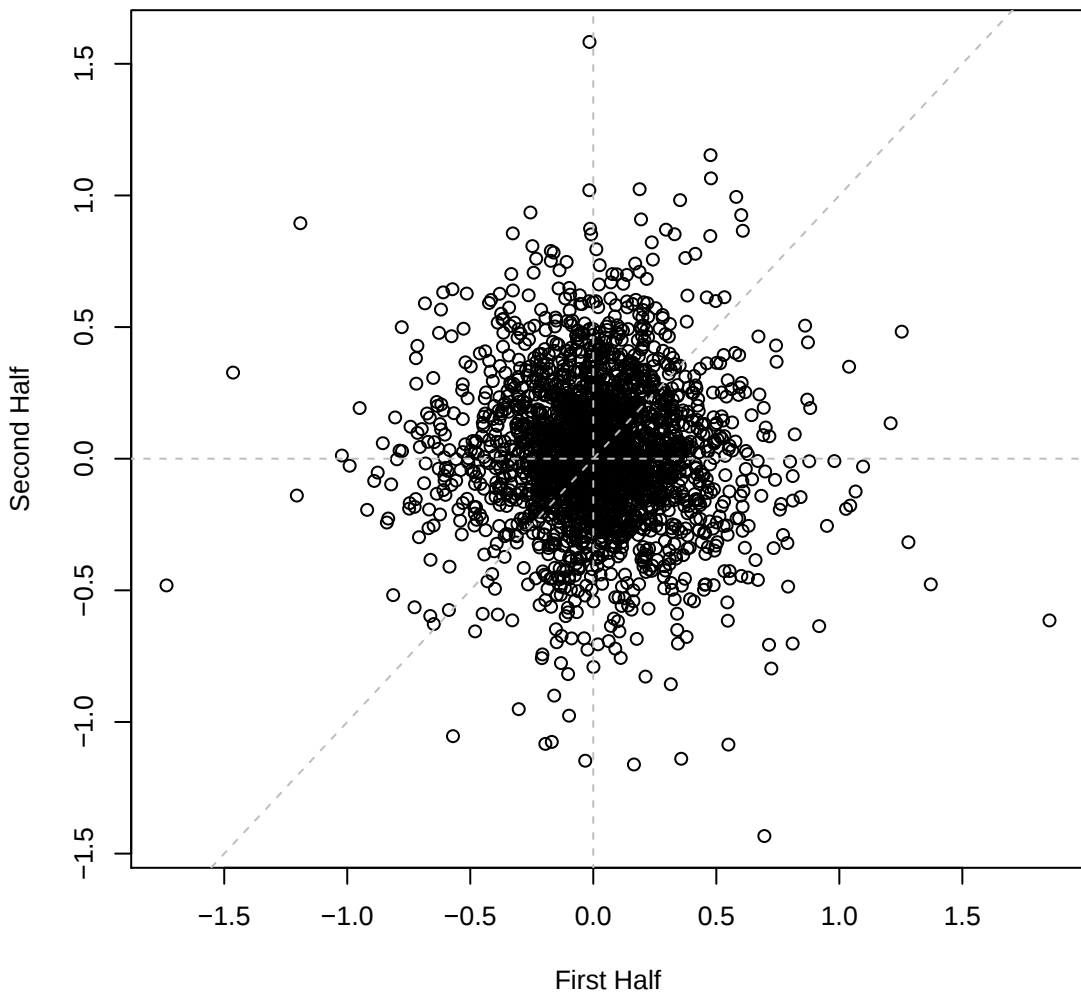
Keio set2IT090 #186 (gMed=99 rho12=0.090)

LB



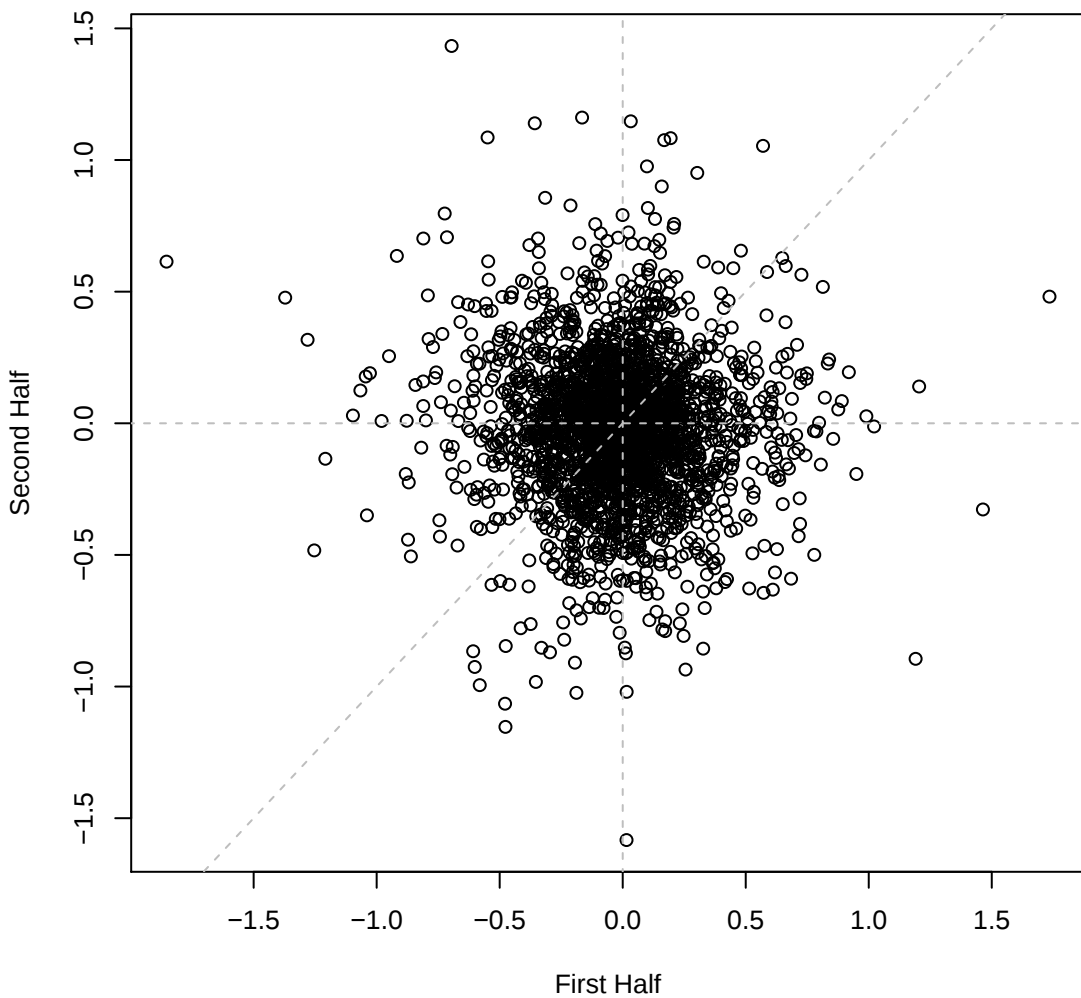
**Keio set2IT091 #187 (gMed=100 rho12=-0.021)**

**Time0**



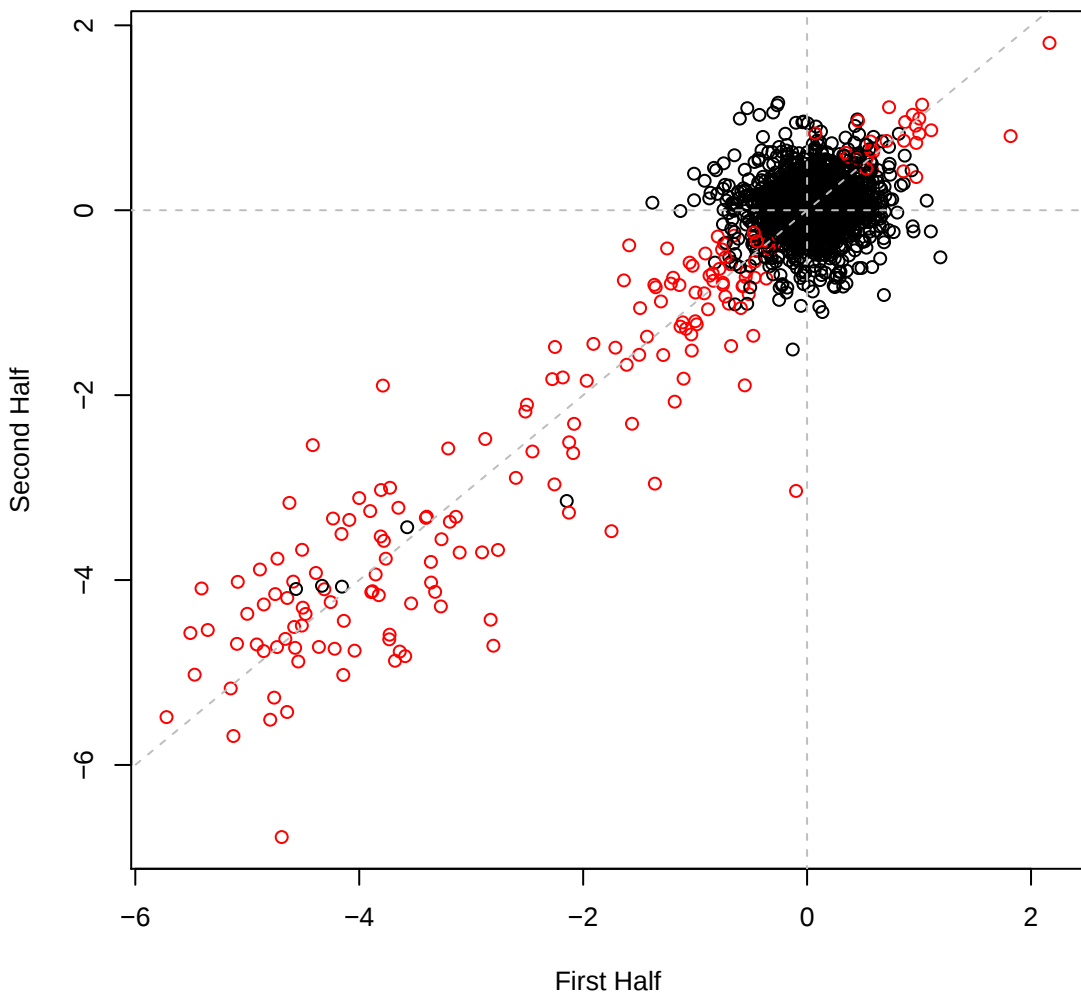
Keio set2IT092 #188 (gMed=95 rho12=-0.021)

Time0



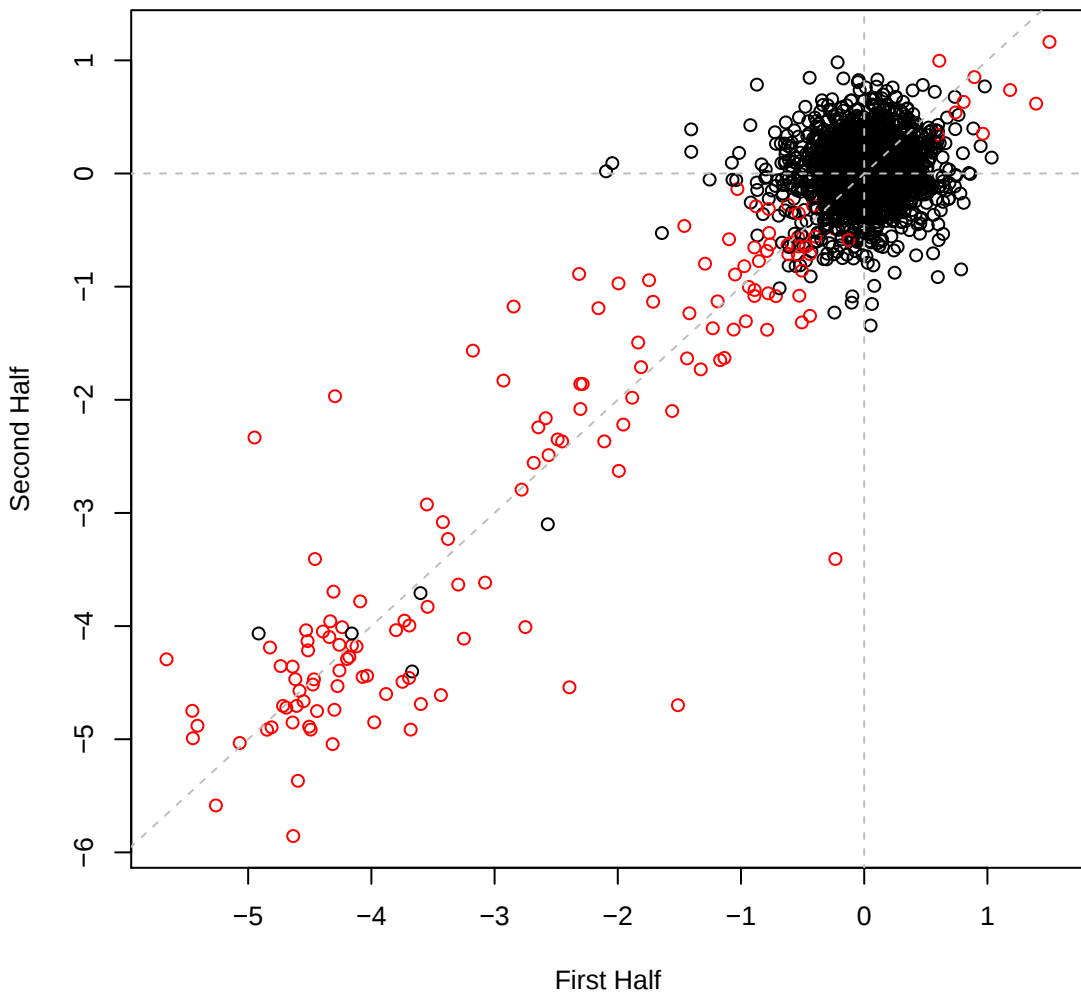
Keio set2IT093 #189 (gMed=109 rho12=0.278)

D-Galacturonic Acid (C) MOPS

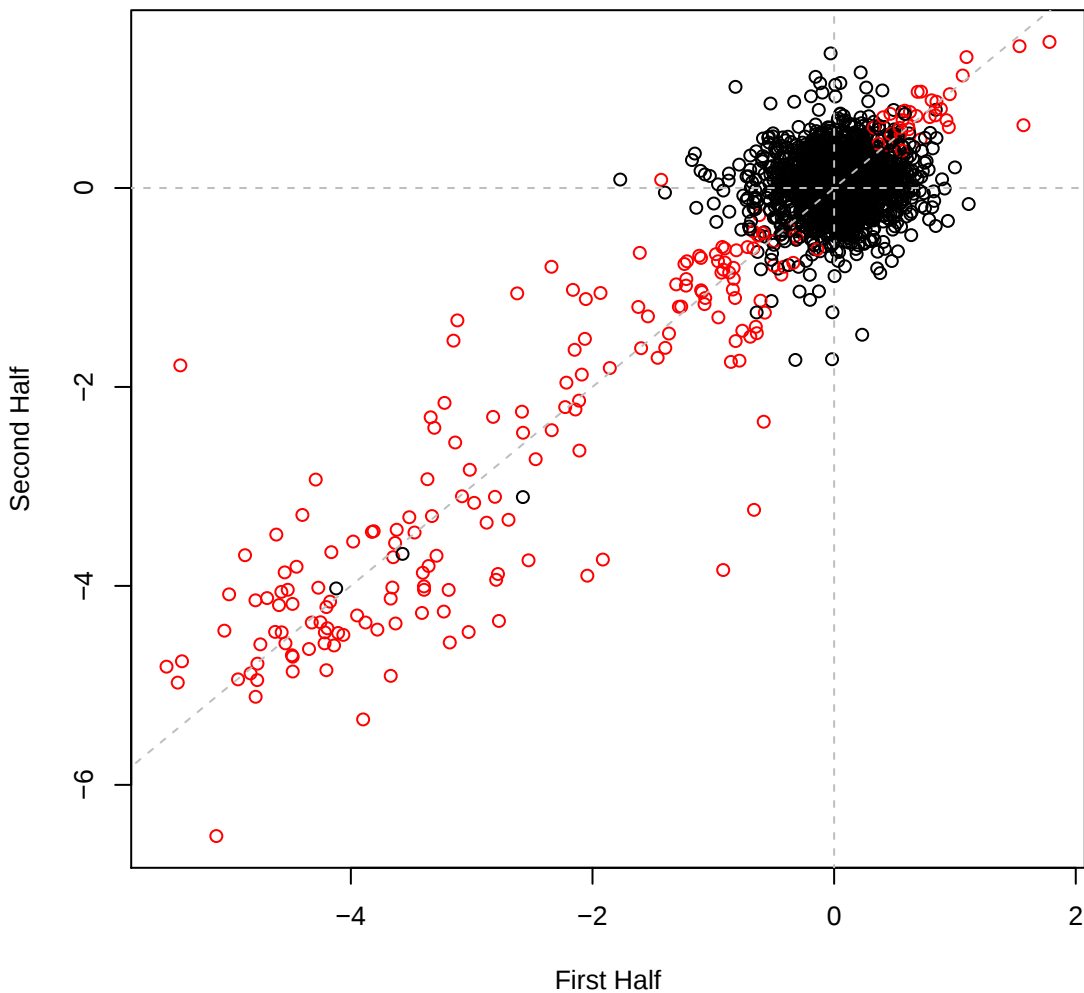


Keio set2IT094 #190 (gMed=103 rho12=0.222)

D-Glucose (C) MOPS

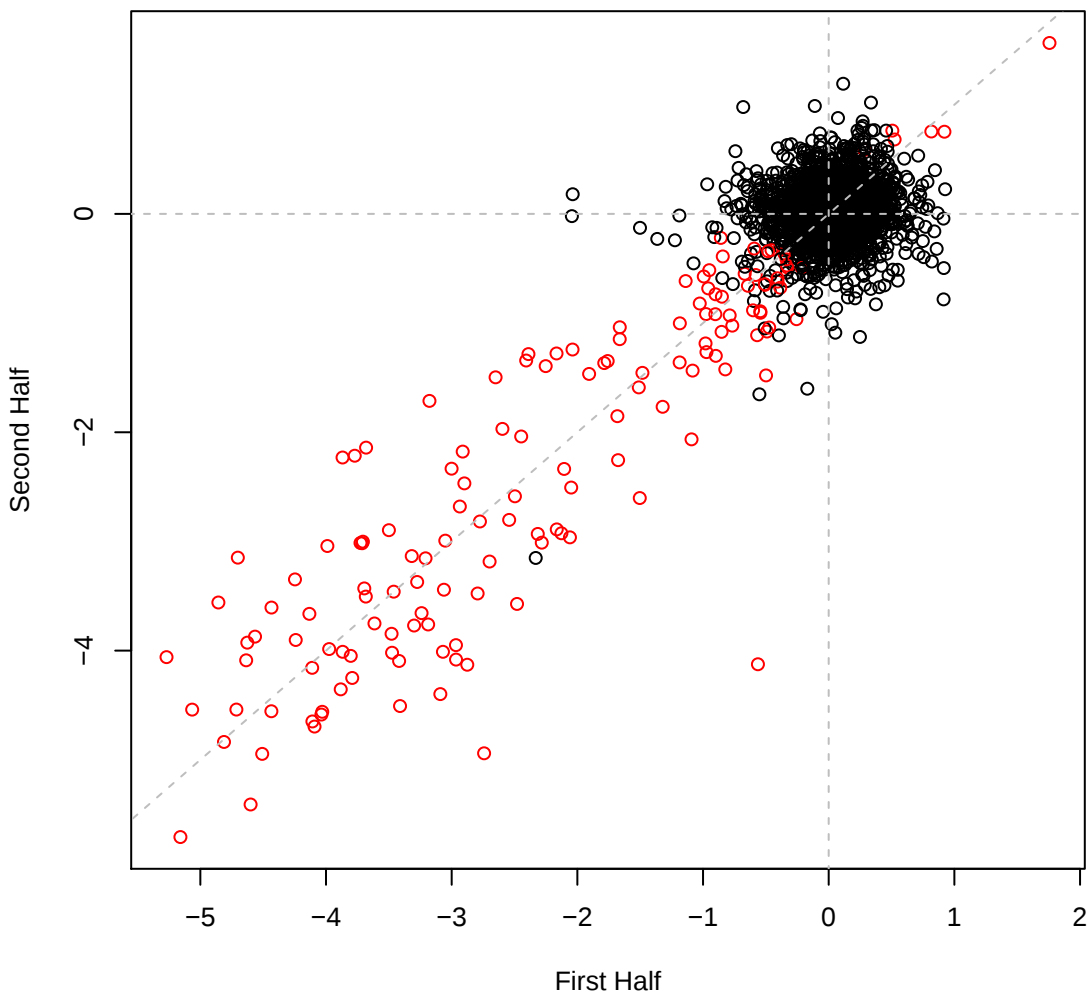


**Keio set2IT095 #191 (gMed=105 rho12=0.295)**  
**D-Galacturonic Acid (C) M9**



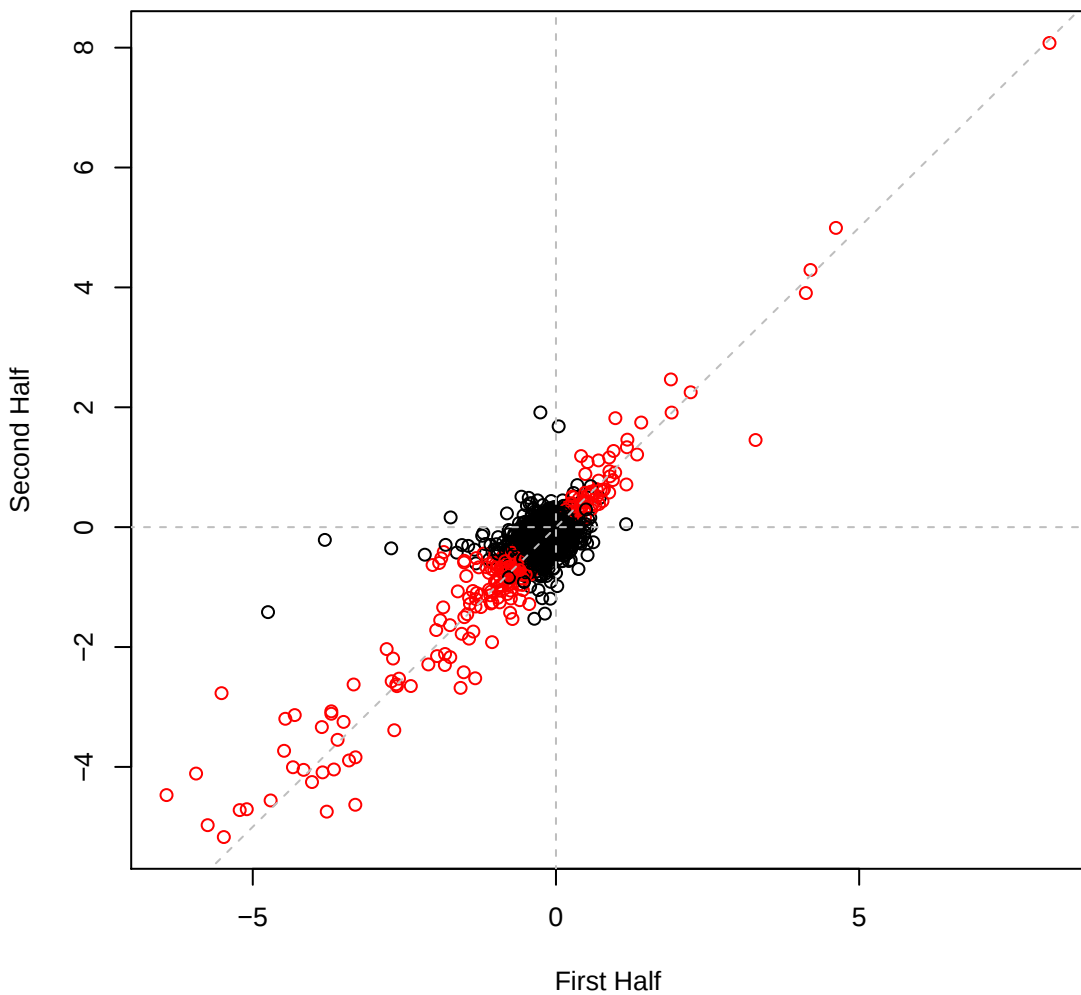
Keio set2IT096 #192 (gMed=108 rho12=0.245)

D-Glucose (C) M9



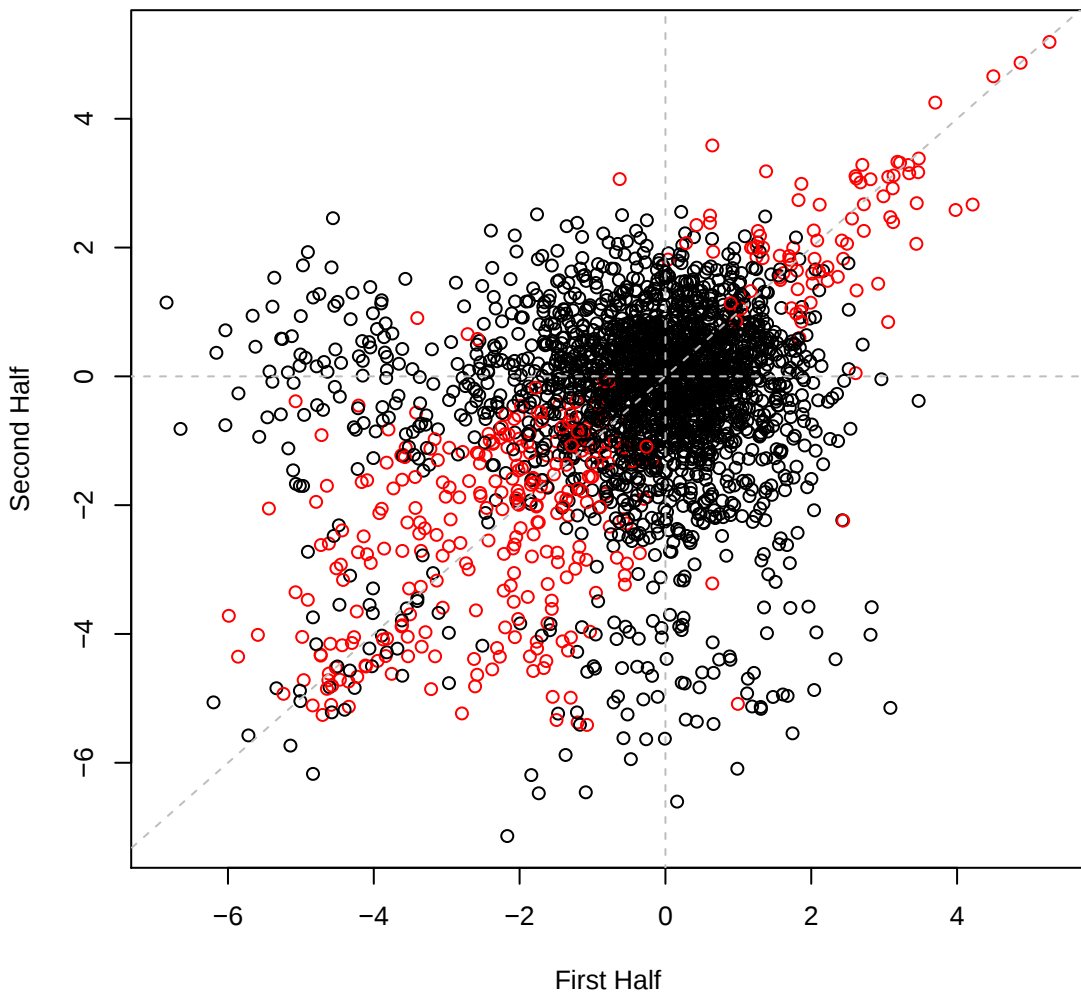
Keio set6IT049 #193 (gMed=577 rho12=0.492)

Nalidixic 0.006 mg/ml



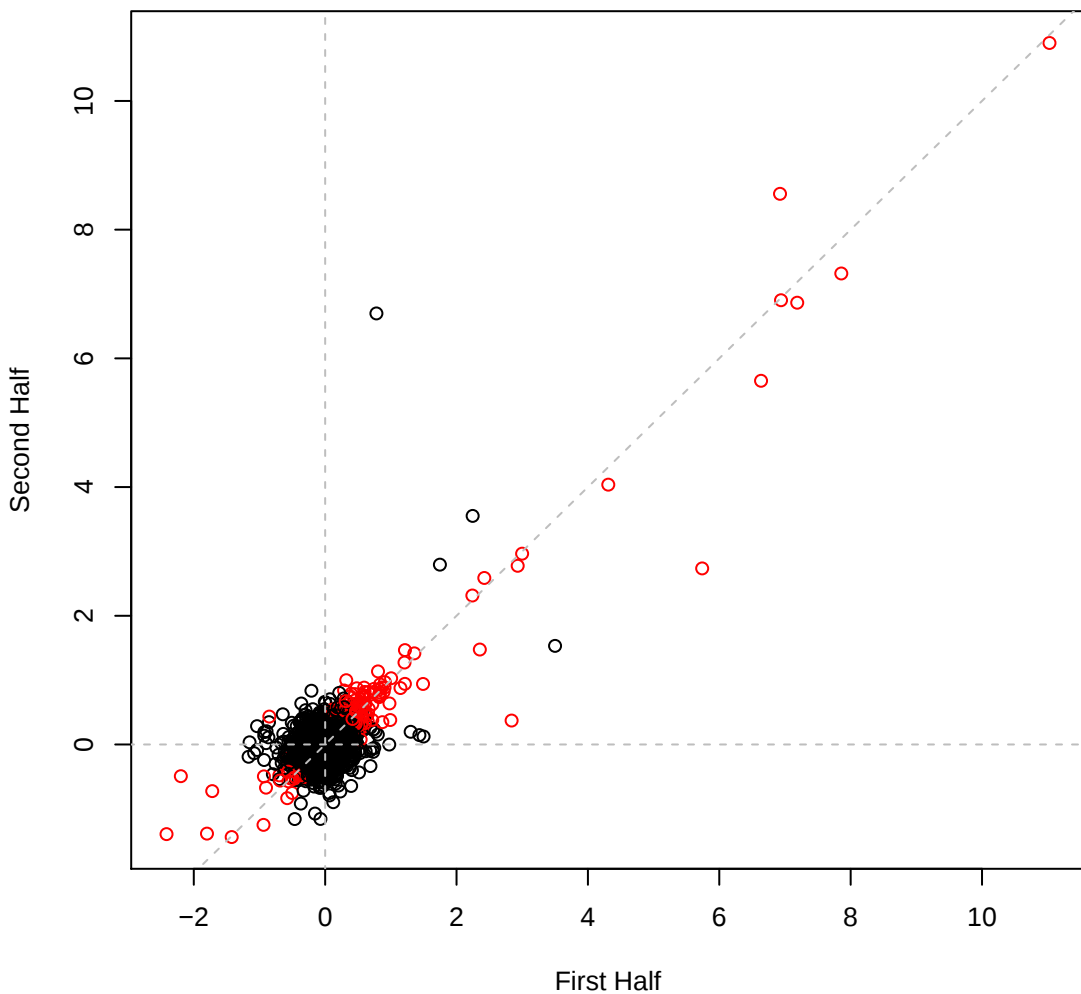
**Keio set6IT050 #194 (gMed=763 rho12=0.278)**

**Benzethonium chloride 0.0125 mM**



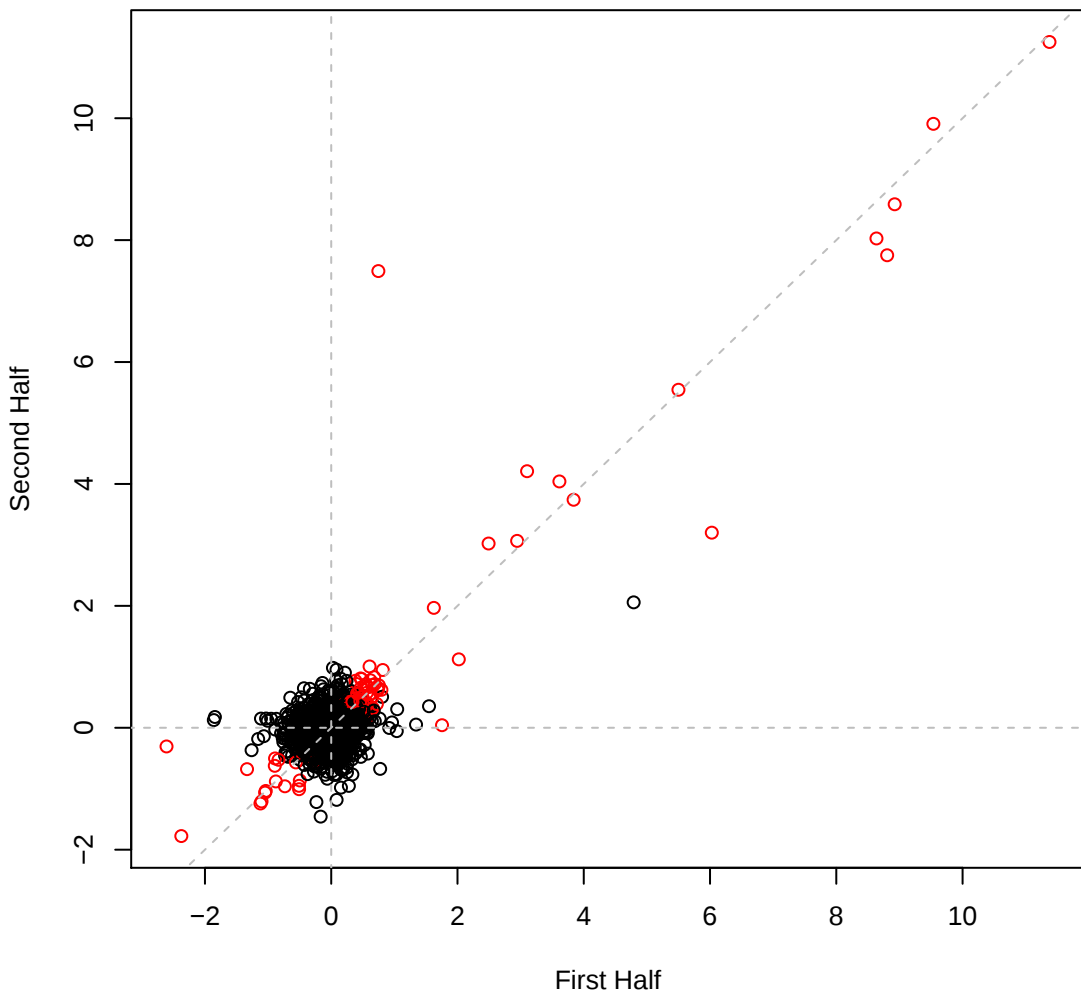
Keio set6IT051 #195 (gMed=261 rho12=0.446)

Phosphomycin 0.0005 mg/ml



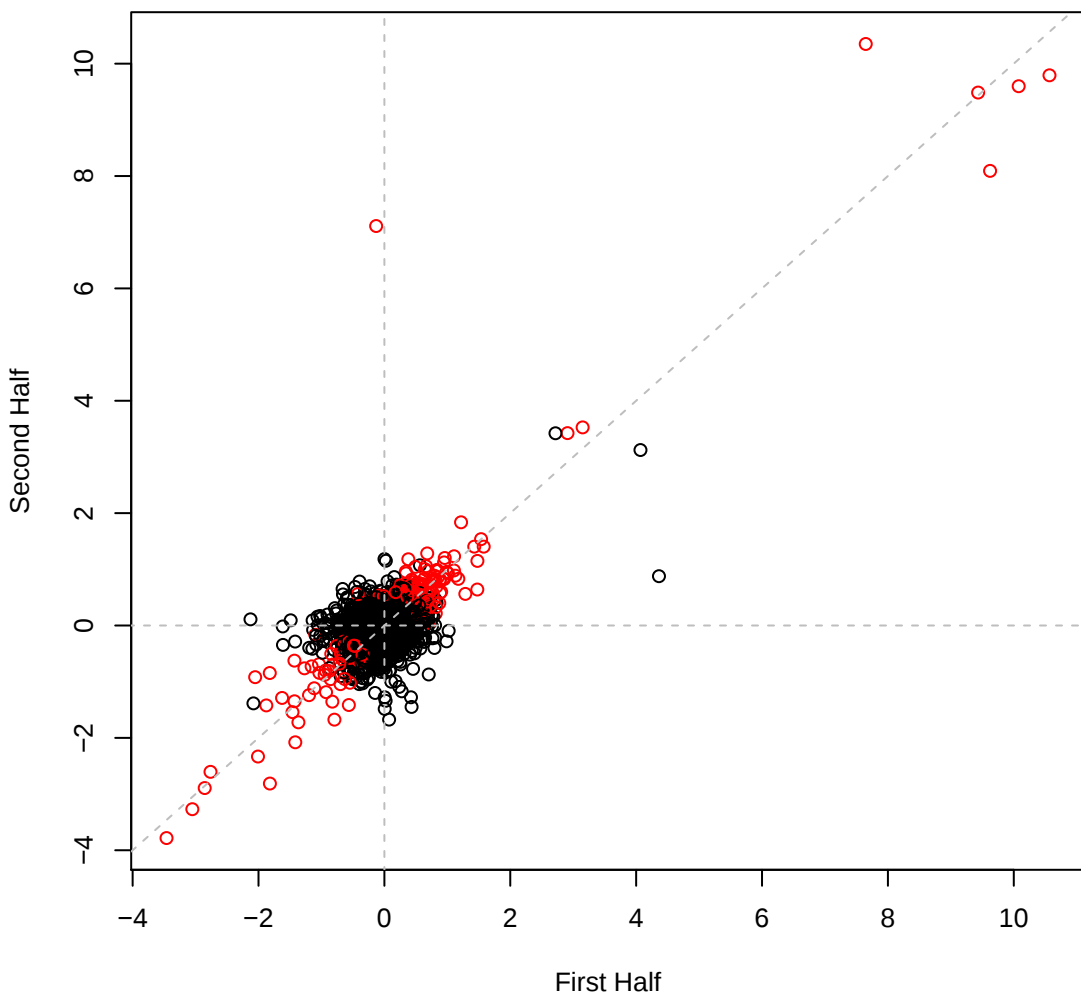
Keio set6IT052 #196 (gMed=168 rho12=0.335)

Phosphomycin 0.001 mg/ml



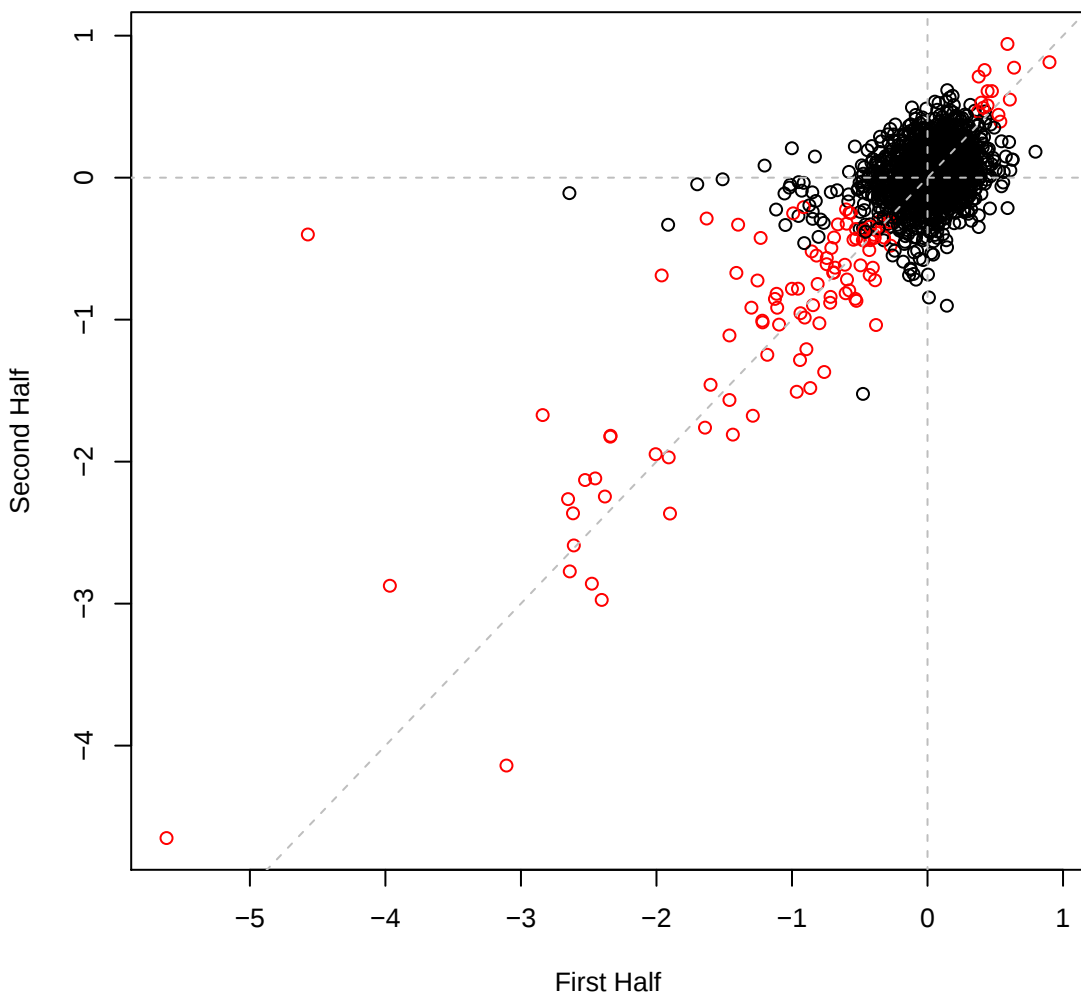
Keio set6IT053 #197 (gMed=102 rho12=0.448)

Phosphomycin 0.002 mg/ml



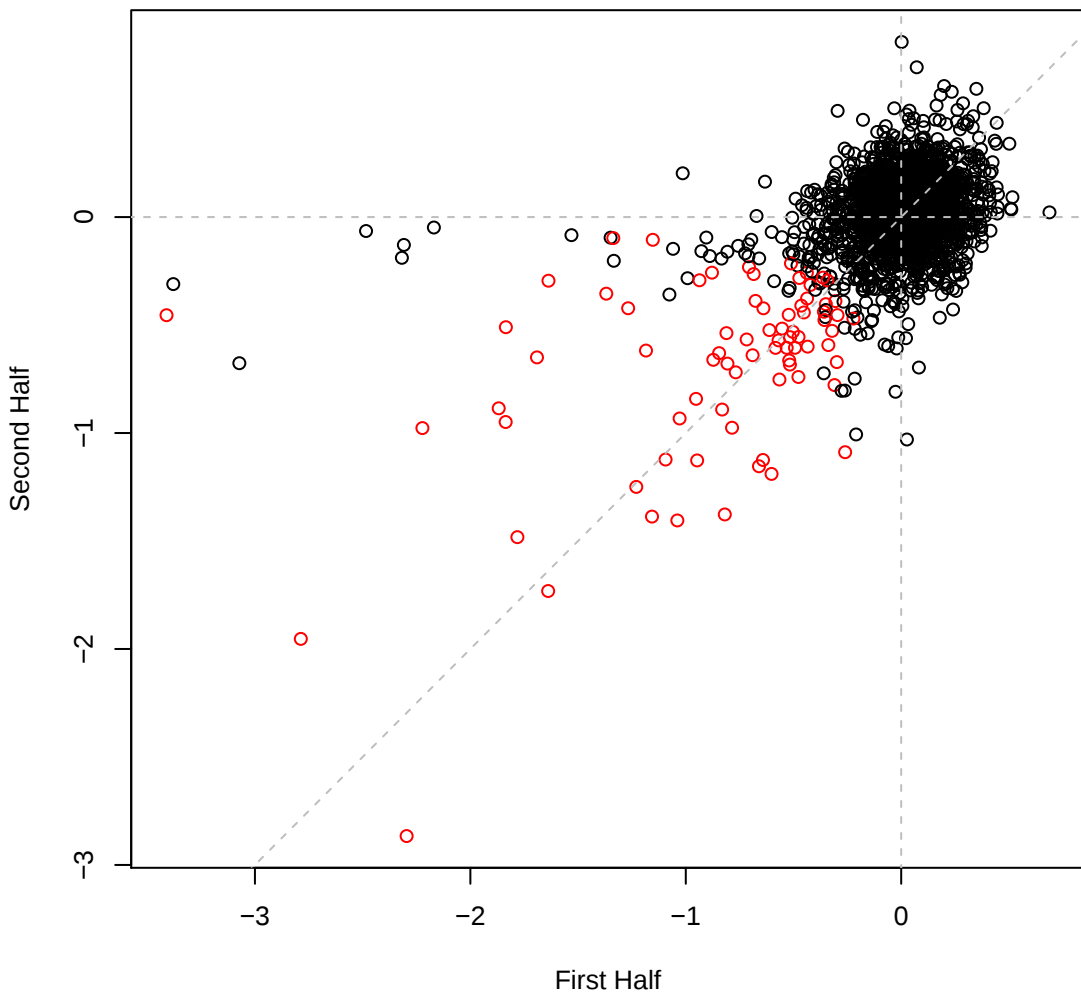
Keio set6IT054 #198 (gMed=534 rho12=0.350)

D-Cycloserine 0.1 mg/ml



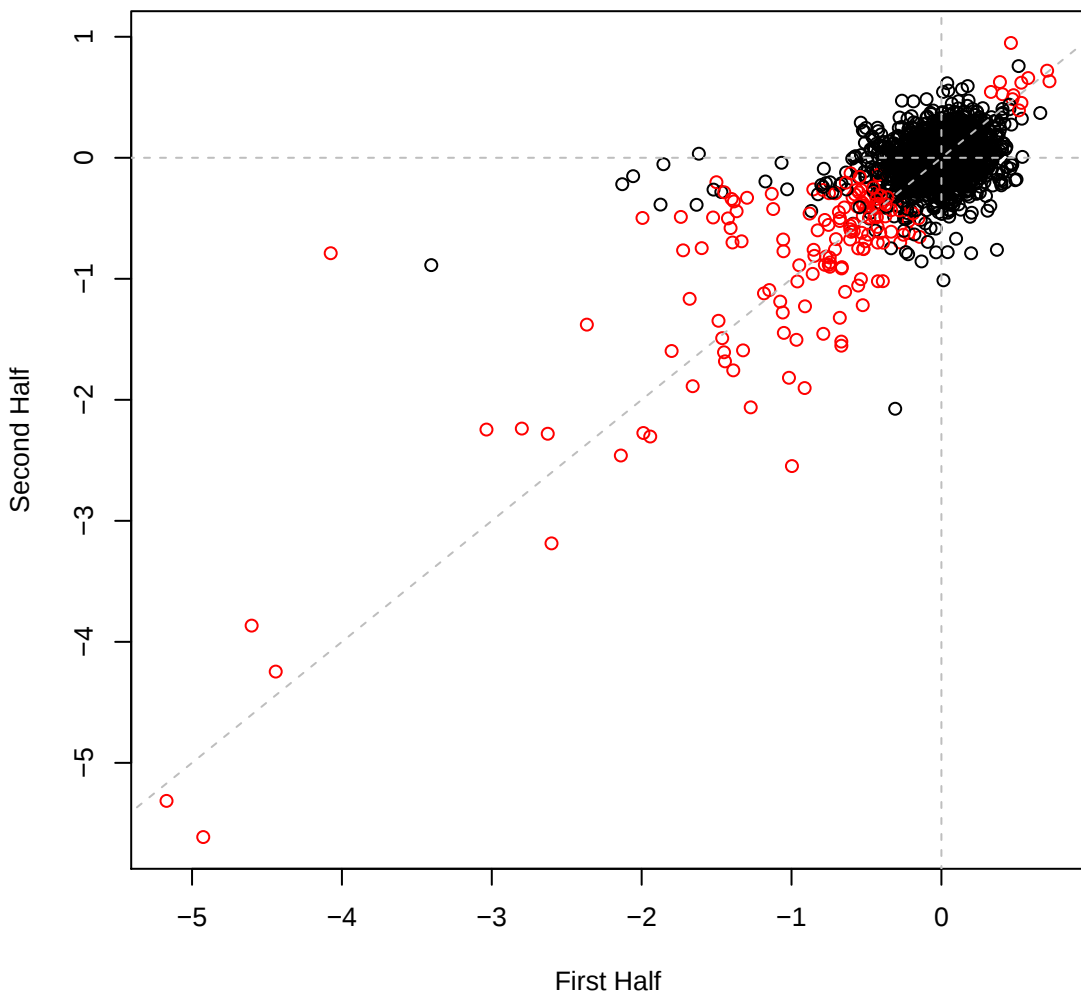
Keio set6IT055 #199 (gMed=438 rho12=0.282)

LB



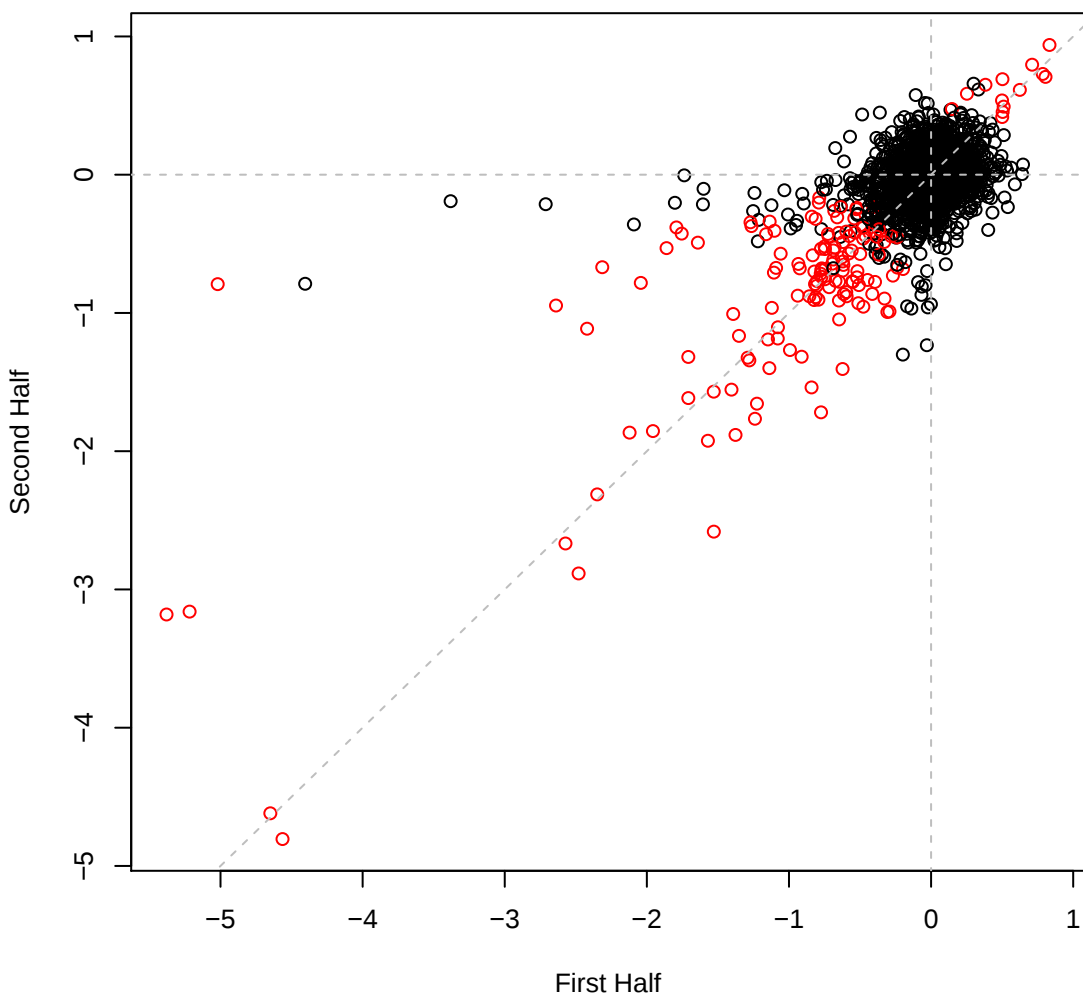
Keio set6IT056 #200 (gMed=386 rho12=0.365)

LB pH5



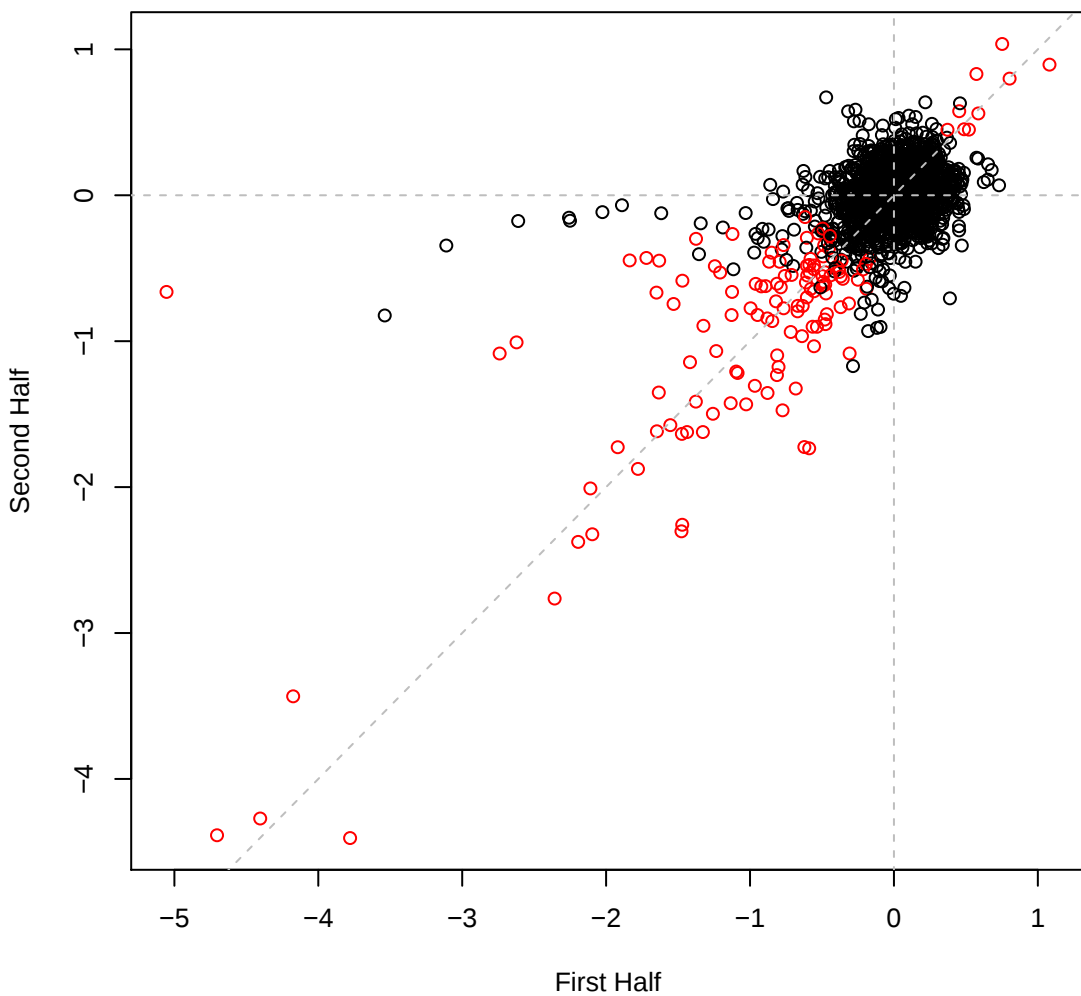
Keio set6IT057 #201 (gMed=352 rho12=0.387)

LB pH5



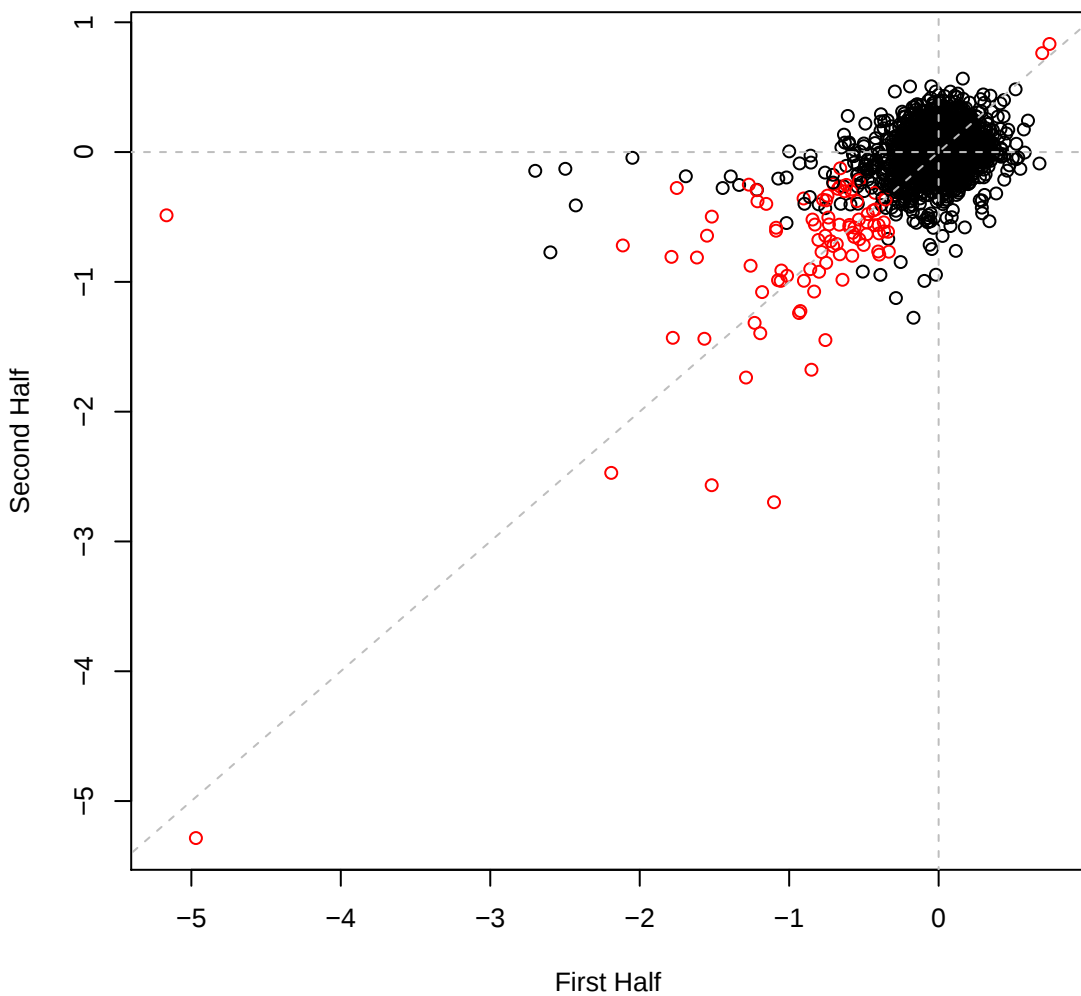
Keio set6IT058 #202 (gMed=368 rho12=0.351)

LB pH5



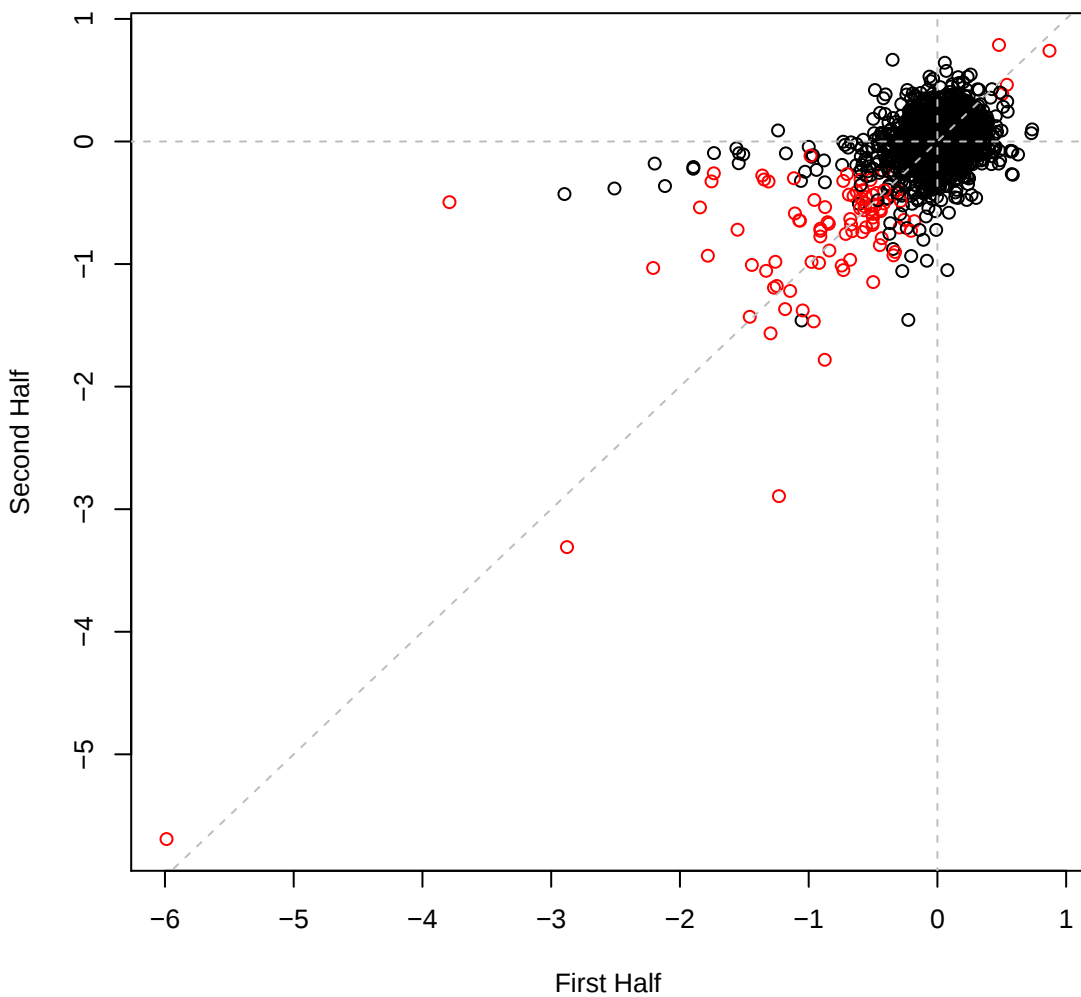
Keio set6IT059 #203 (gMed=462 rho12=0.290)

LB pH6



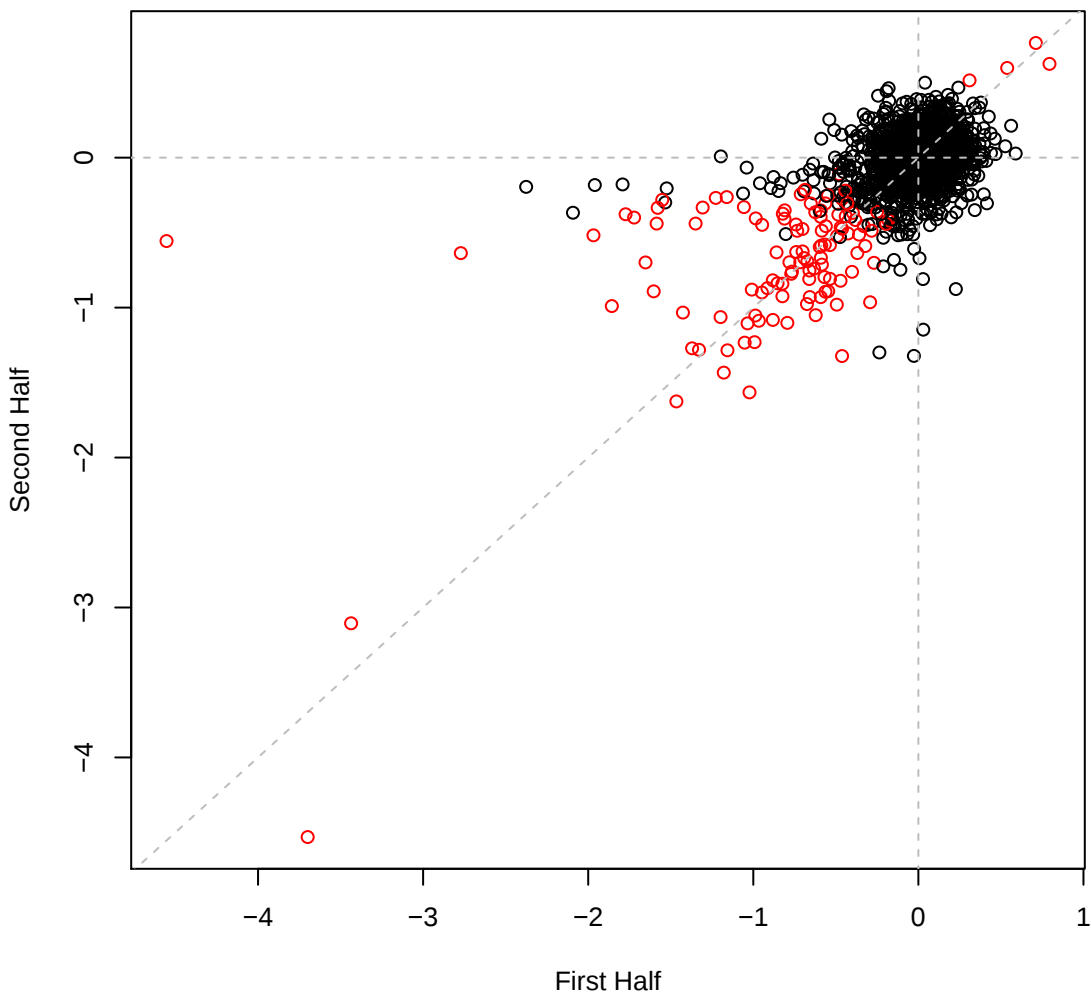
Keio set6IT060 #204 (gMed=354 rho12=0.288)

LB pH6



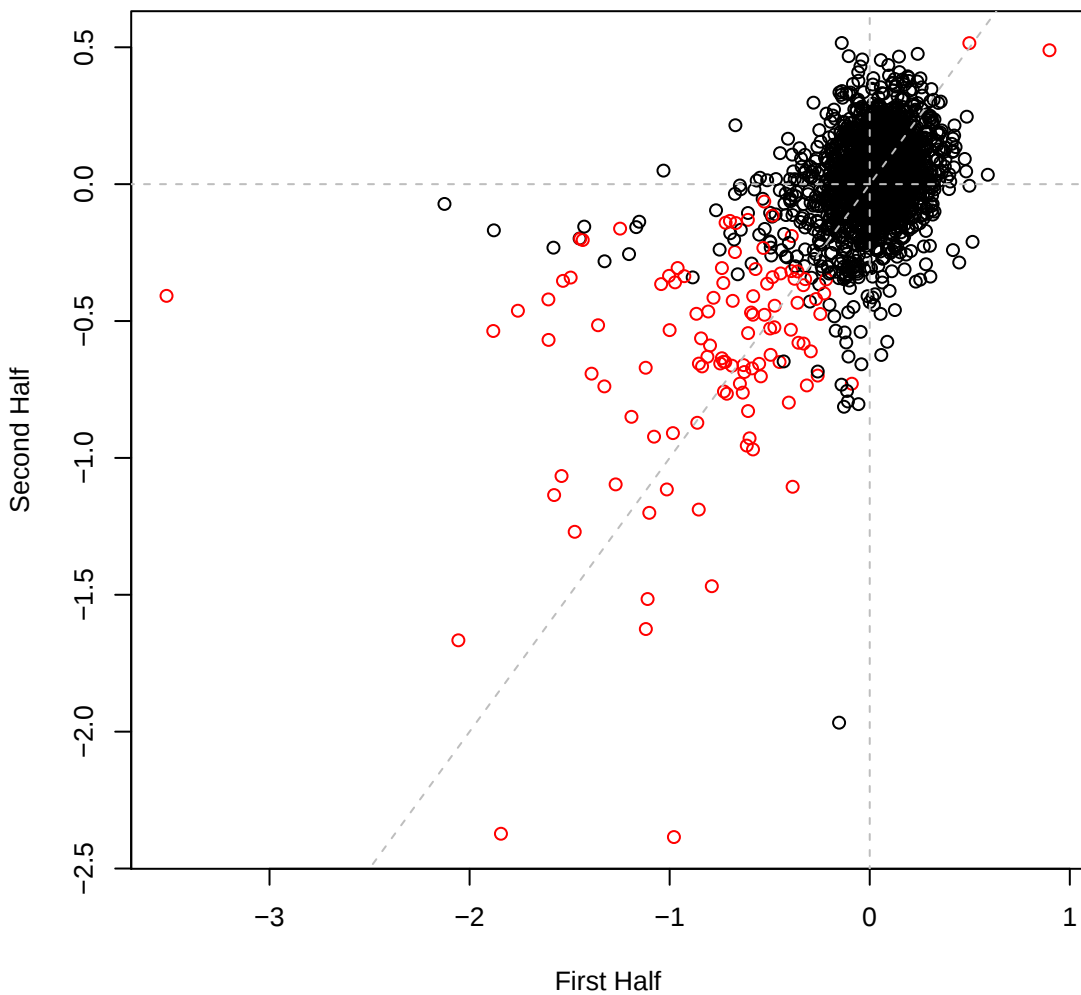
Keio set6IT061 #205 (gMed=664 rho12=0.327)

LB pH6

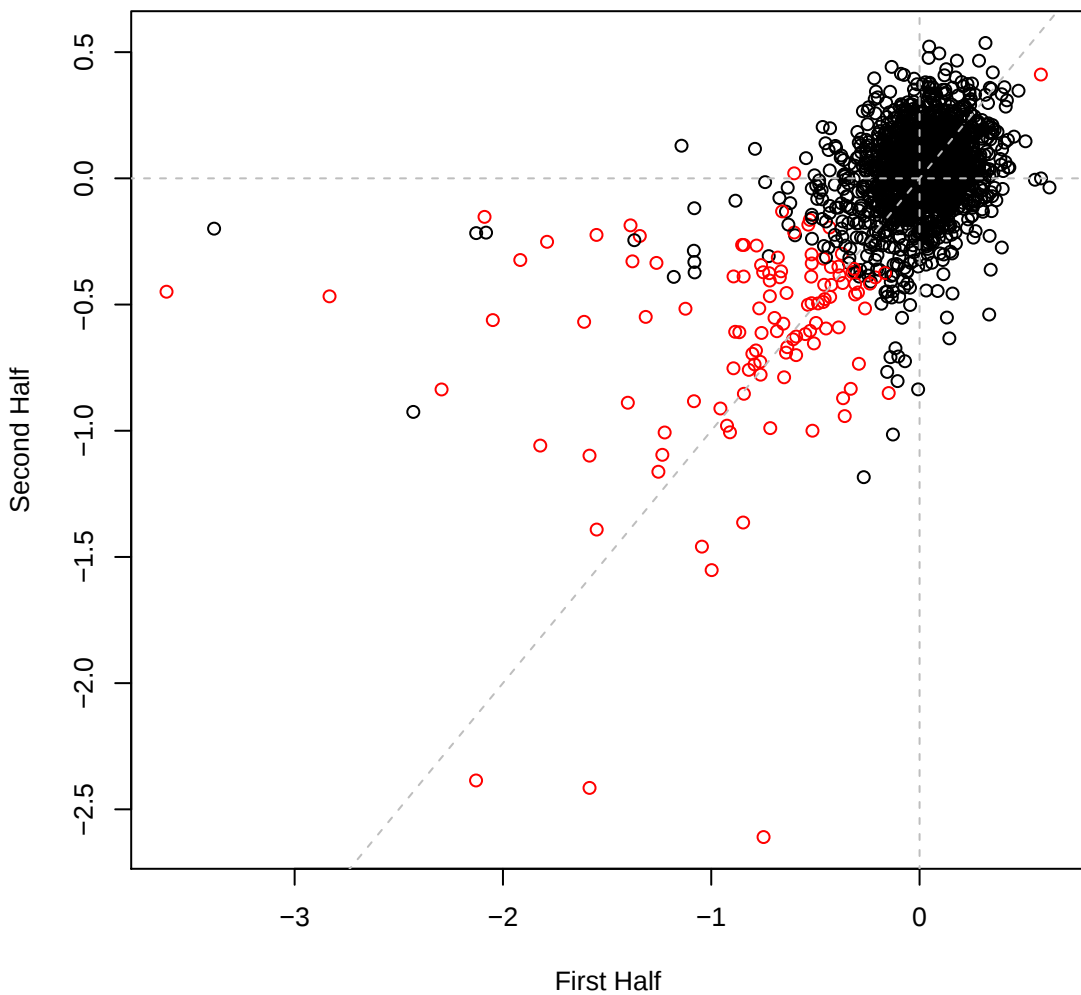


Keio set6IT062 #206 (gMed=902 rho12=0.323)

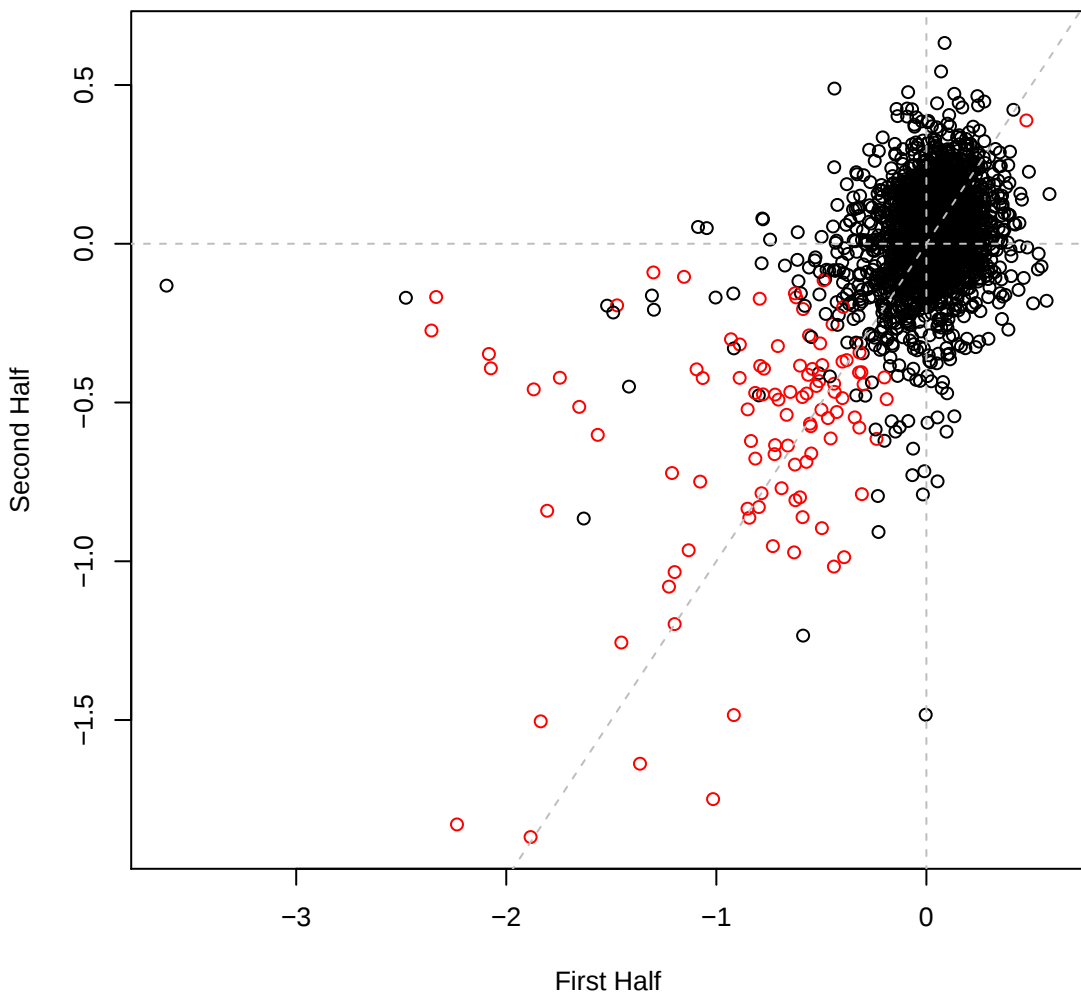
LB pH7



**Keio set6IT063 #207 (gMed=802 rho12=0.331)**  
**LB pH7**

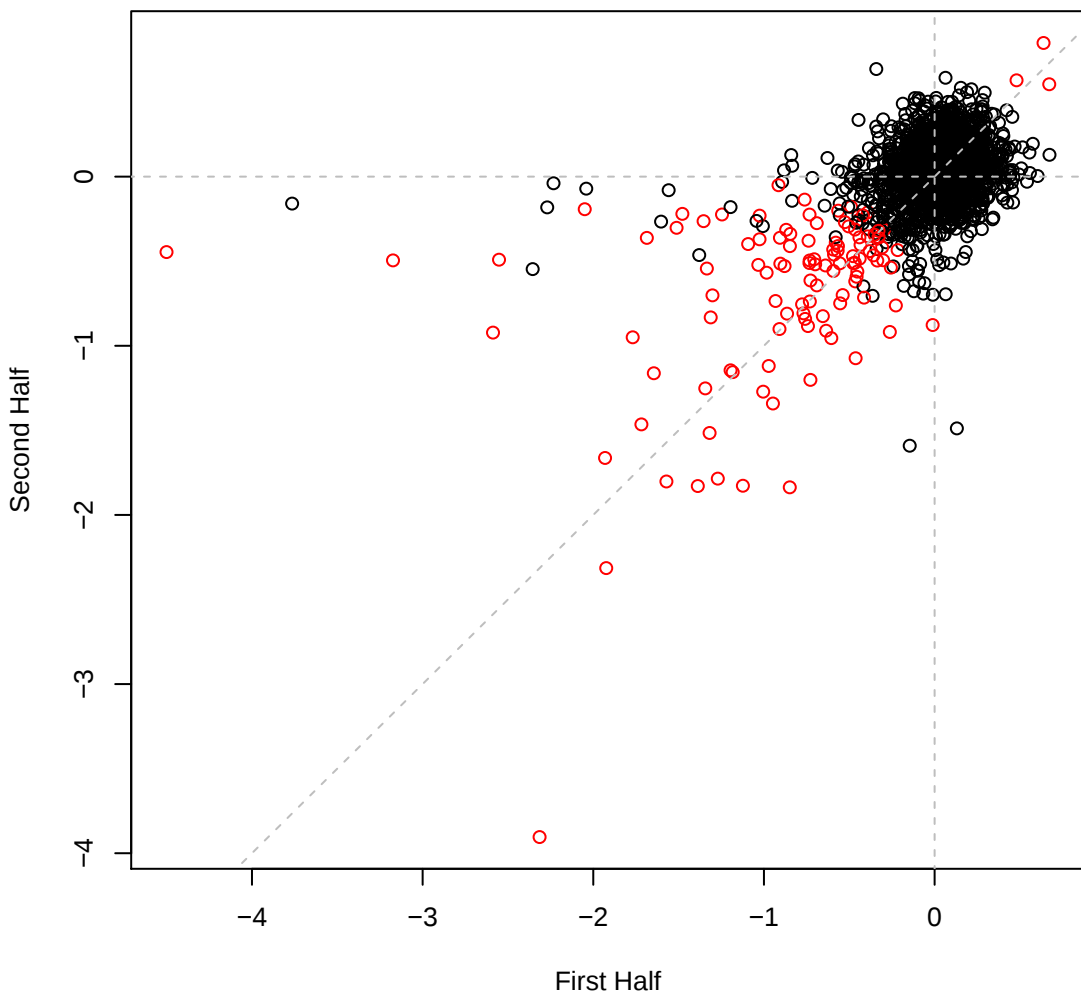


Keio set6IT064 #208 (gMed=660 rho12=0.295)  
LB pH7



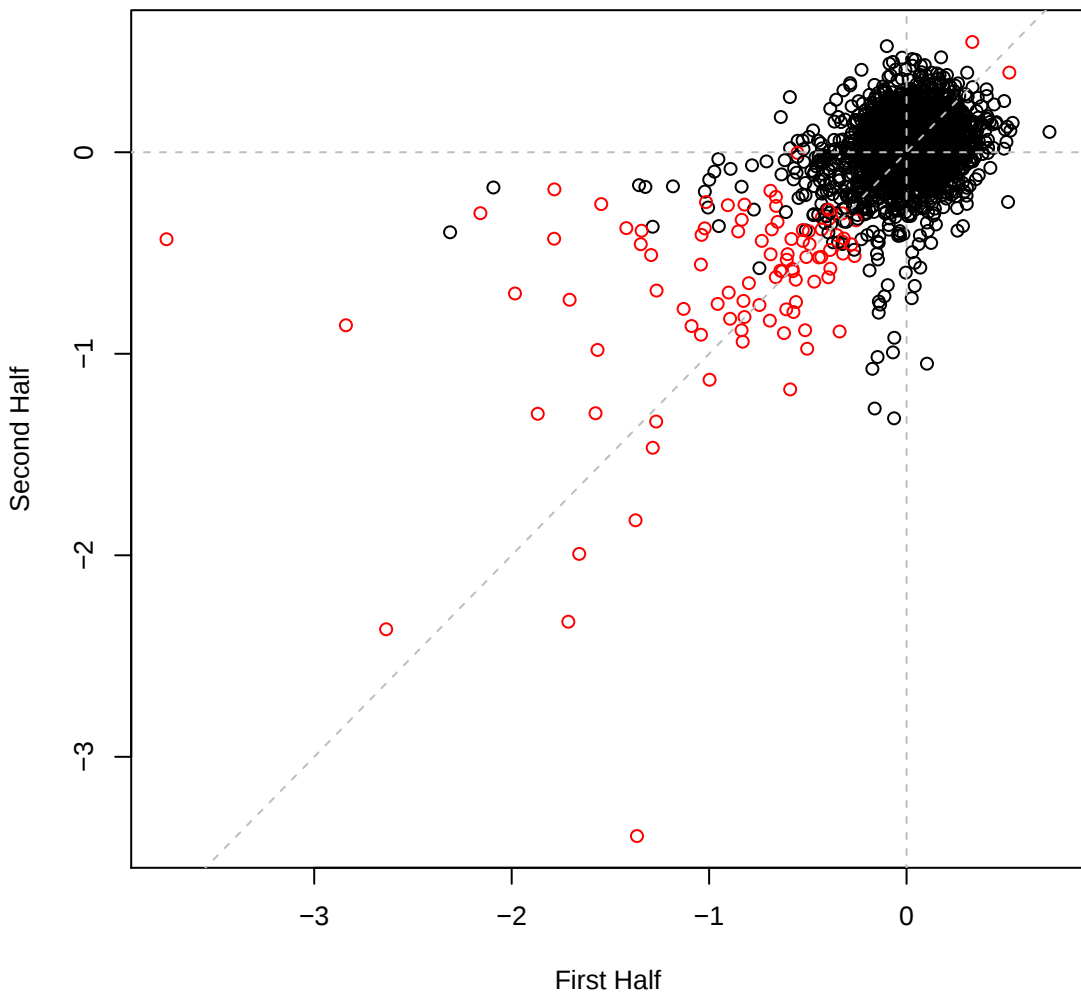
Keio set6IT065 #209 (gMed=467 rho12=0.302)

LB pH8



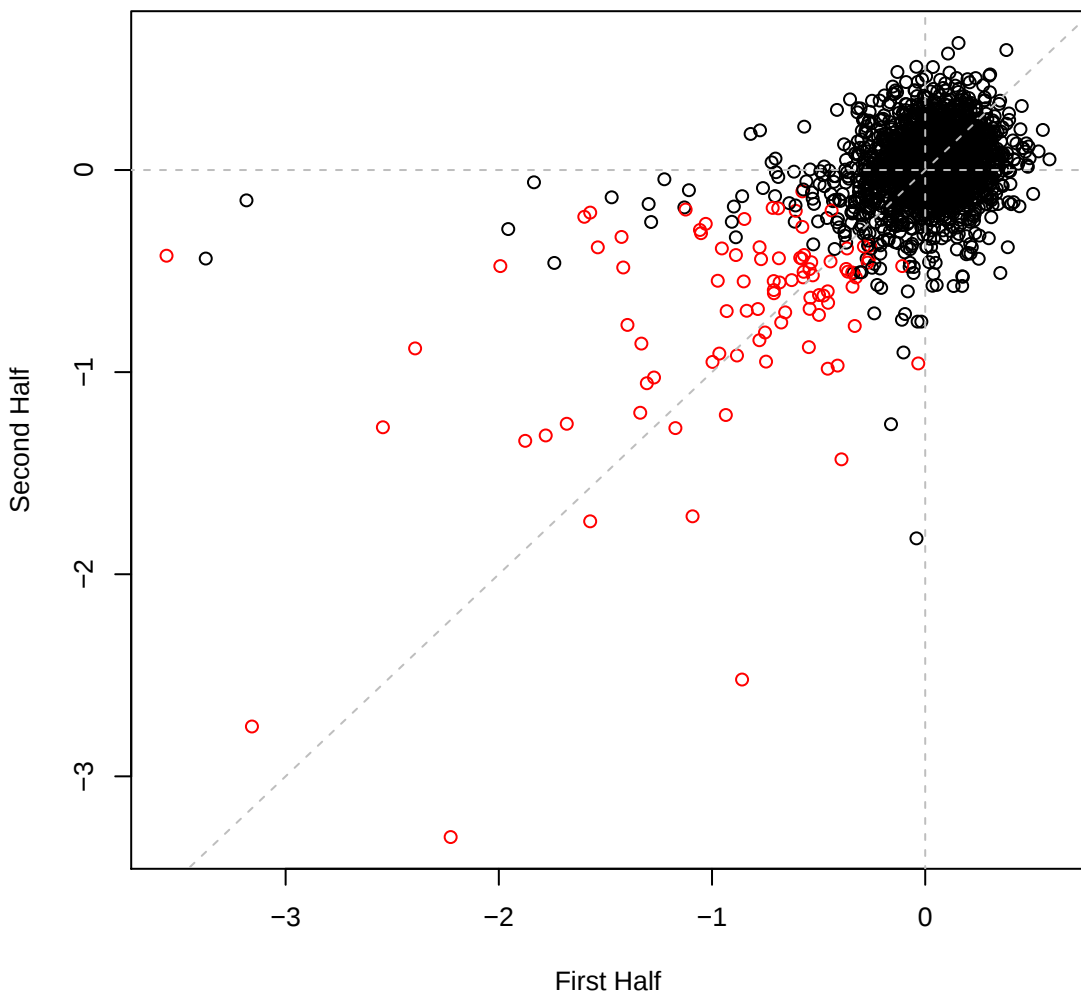
Keio set6IT066 #210 (gMed=493 rho12=0.303)

LB pH8

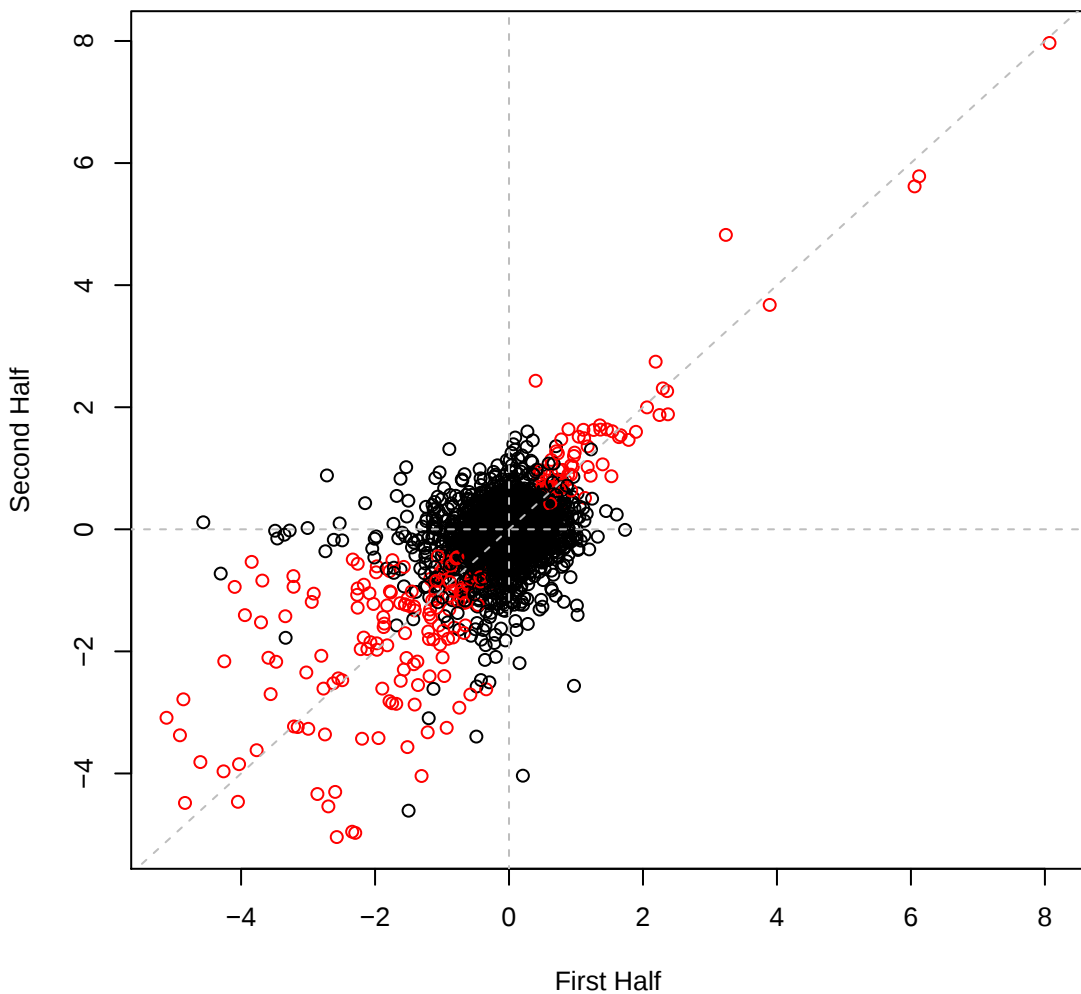


Keio set6IT067 #211 (gMed=392 rho12=0.263)

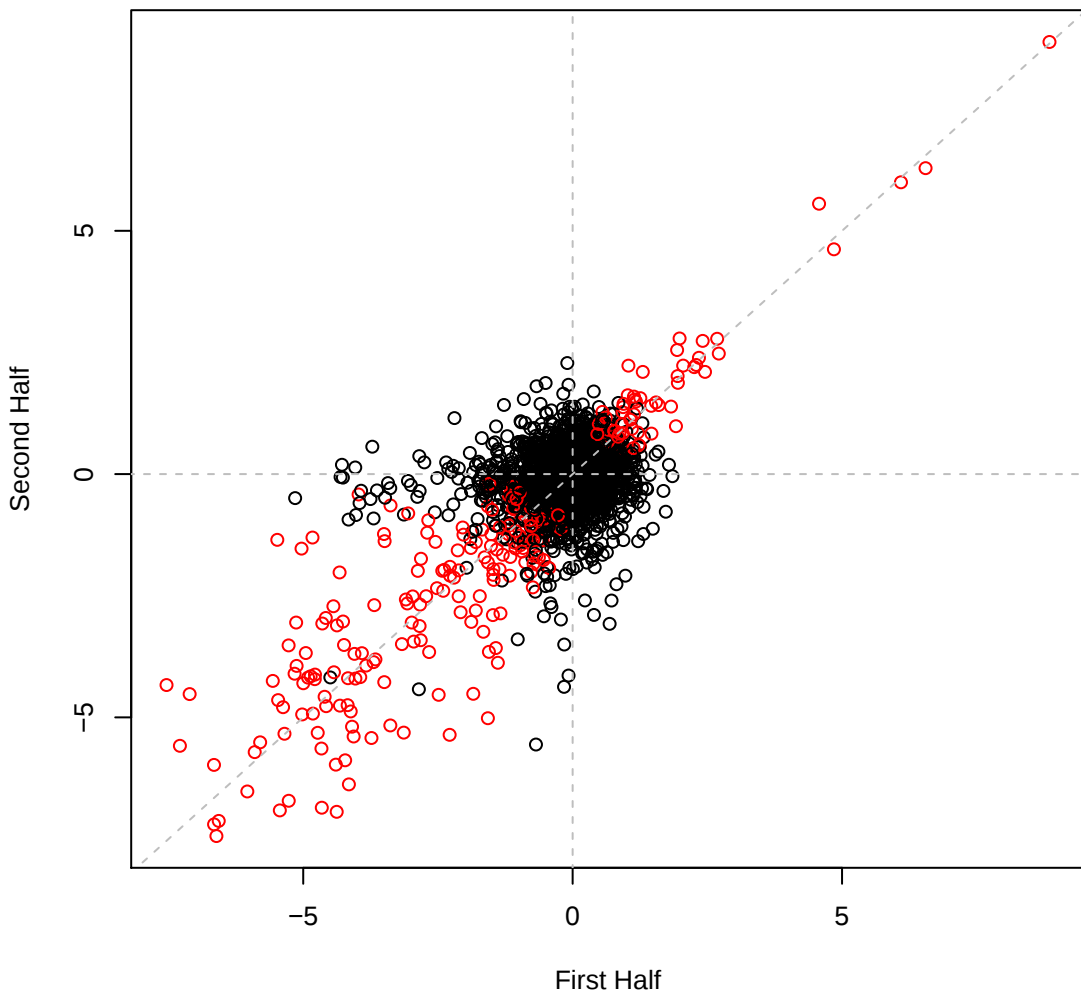
LB pH8



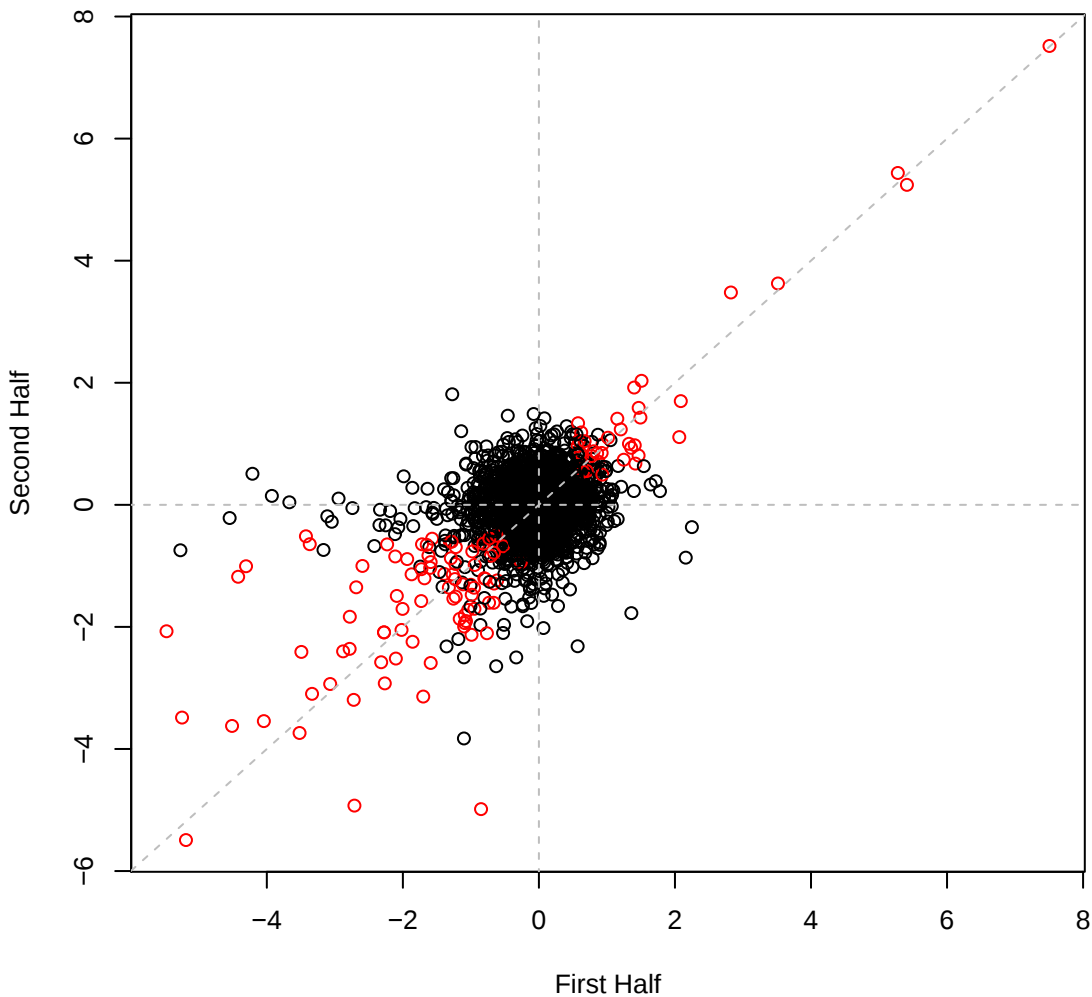
**Keio set6IT068 #212 (gMed=180 rho12=0.363)**  
**outer cut, LB soft agar motility assay**



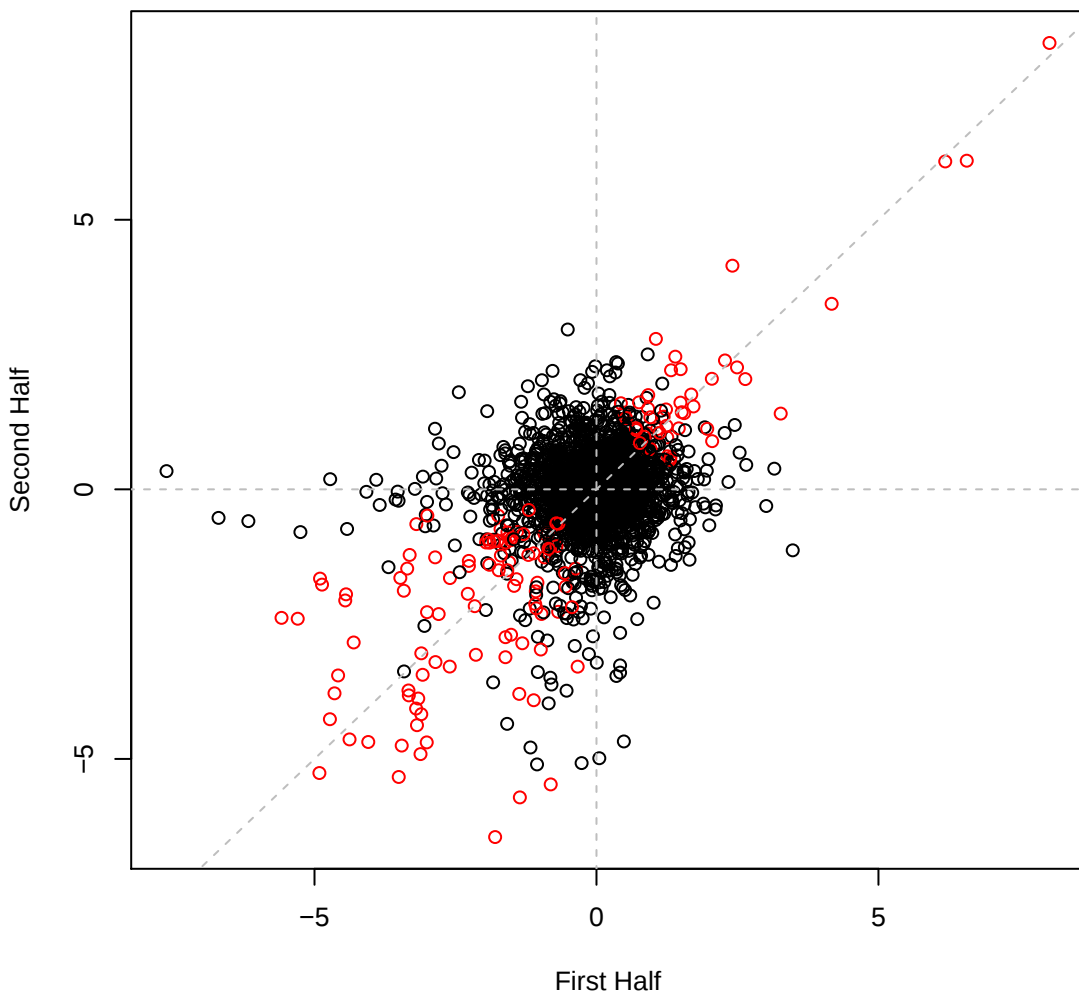
**Keio set6IT069 #213 (gMed=135 rho12=0.331)**  
**outer cut, LB soft agar motility assay**



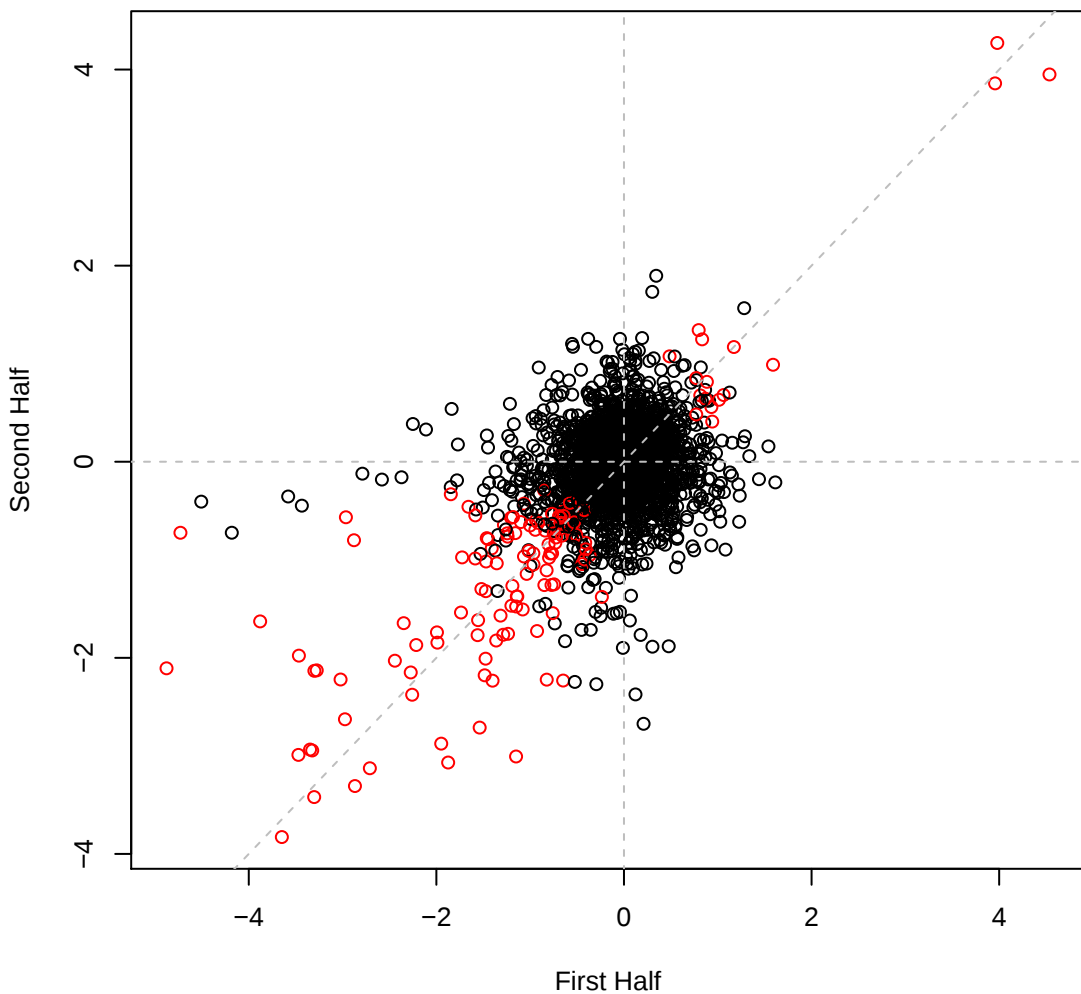
**Keio set6IT070 #214 (gMed=219 rho12=0.235)**  
**outer cut, LB soft agar motility assay**



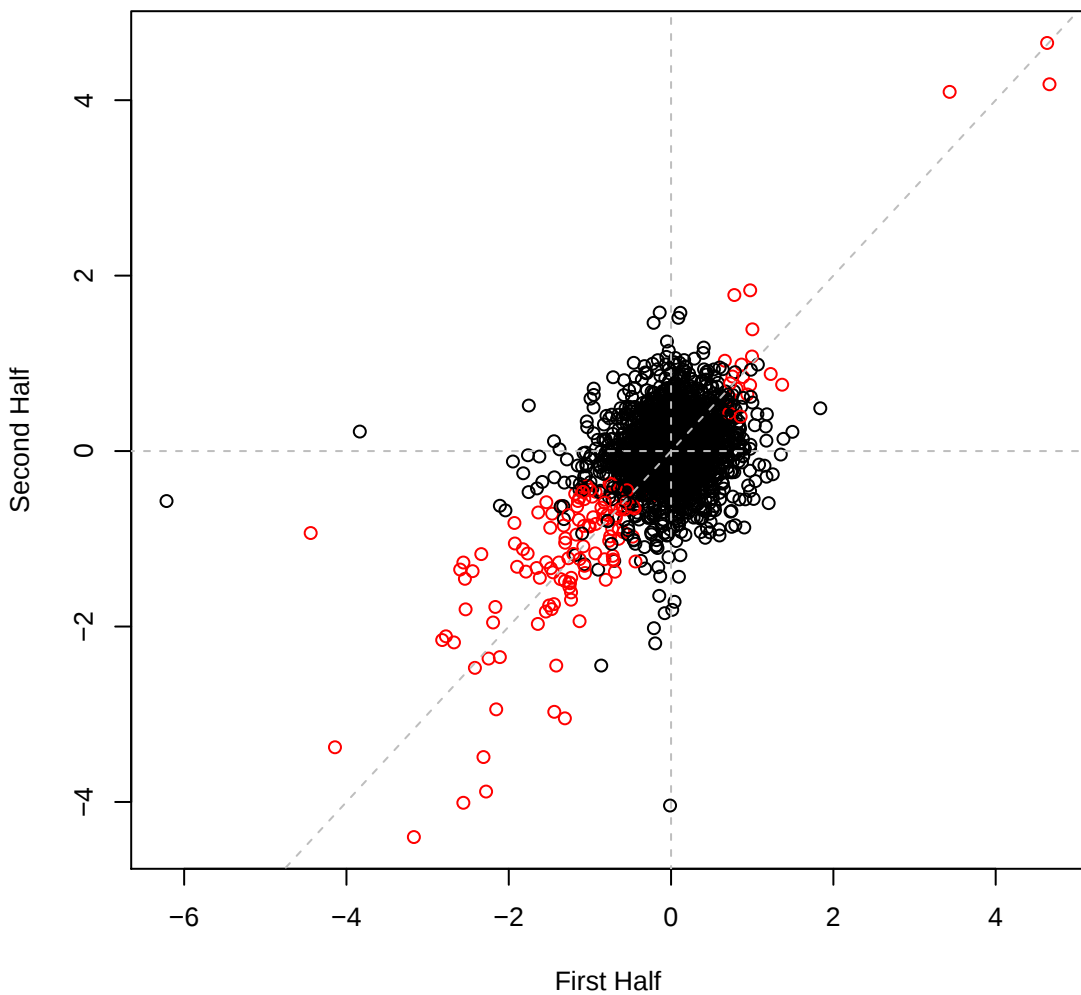
**Keio set6IT071 #215 (gMed=219 rho12=0.210)**  
**outer cut, LB soft agar motility assay**



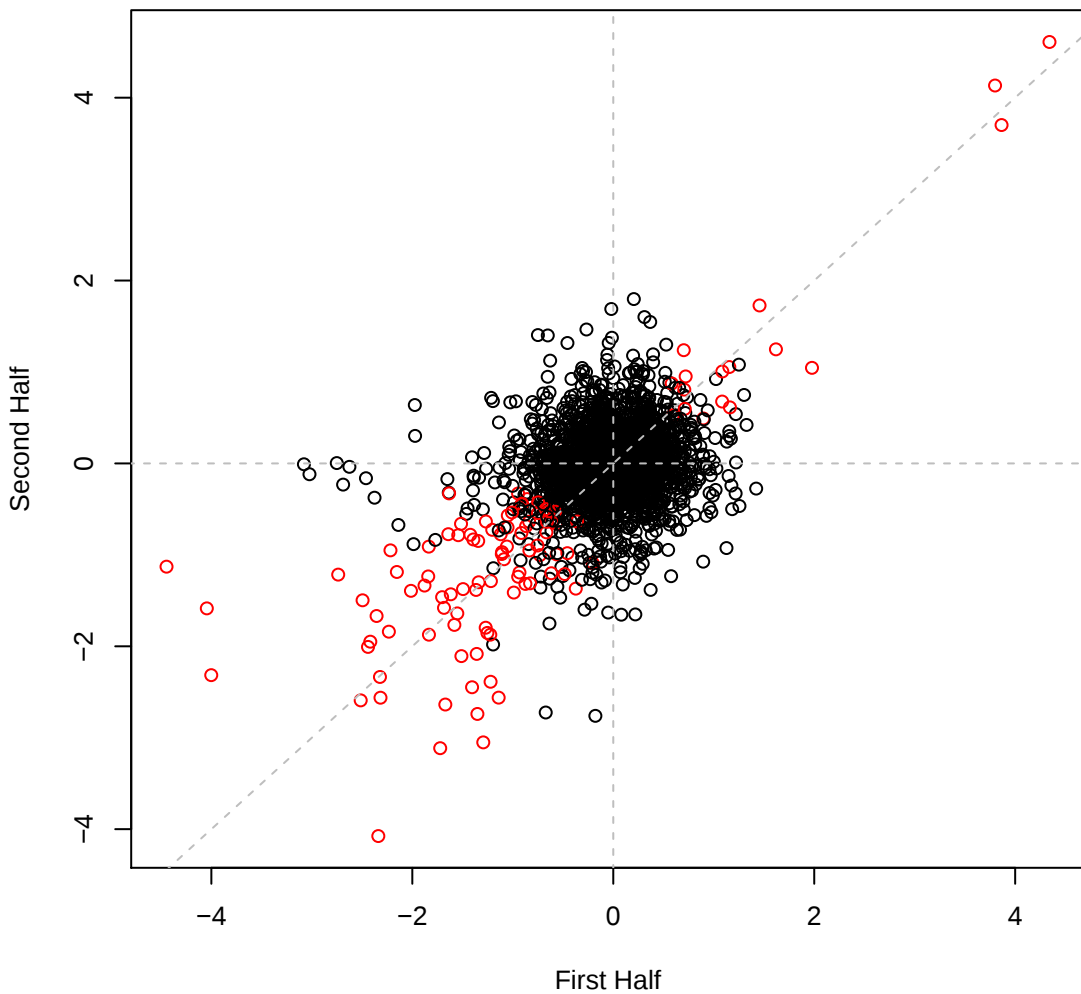
**Keio set6IT072 #216 (gMed=299 rho12=0.243)**  
**inner cut, LB soft agar motility assay**



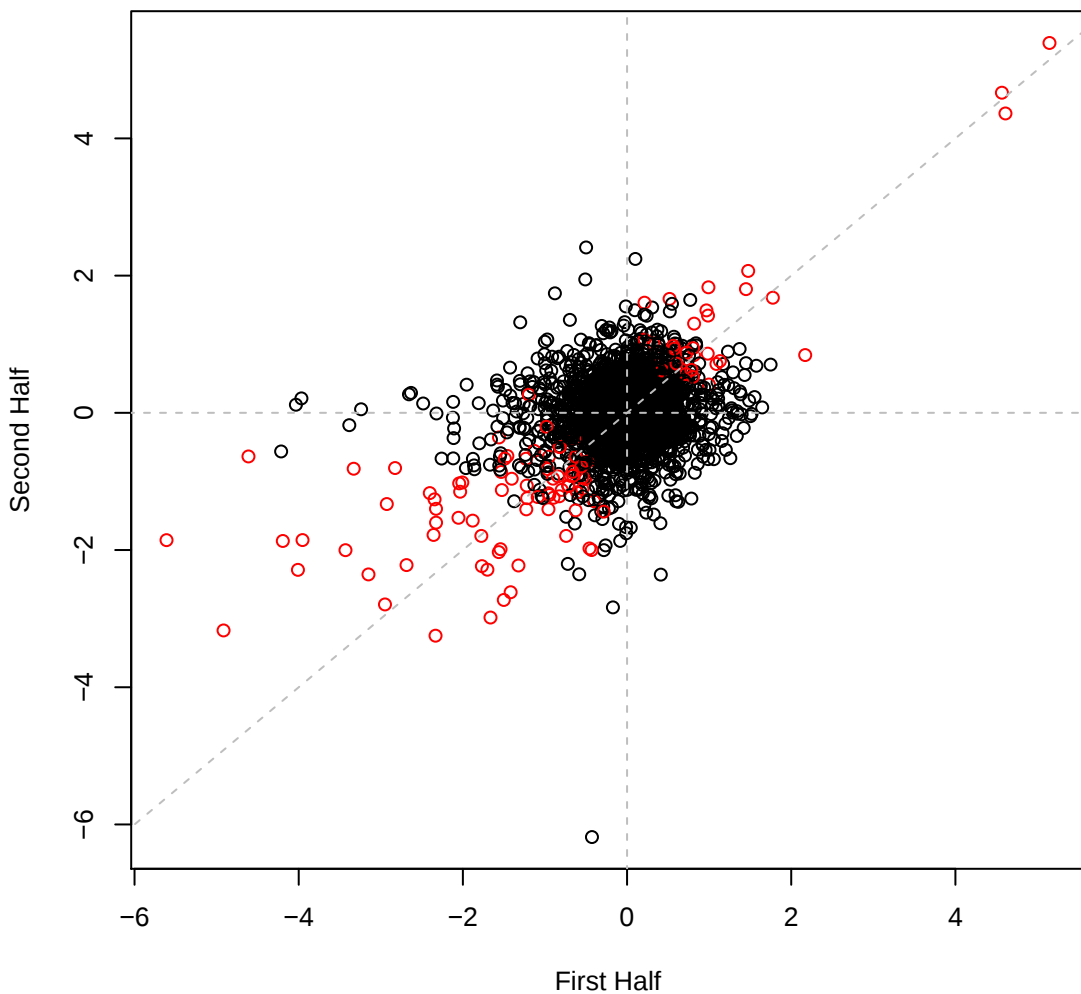
**Keio set6IT073 #217 (gMed=533 rho12=0.283)**  
**inner cut, LB soft agar motility assay**



### inner cut, LB soft agar motility assay

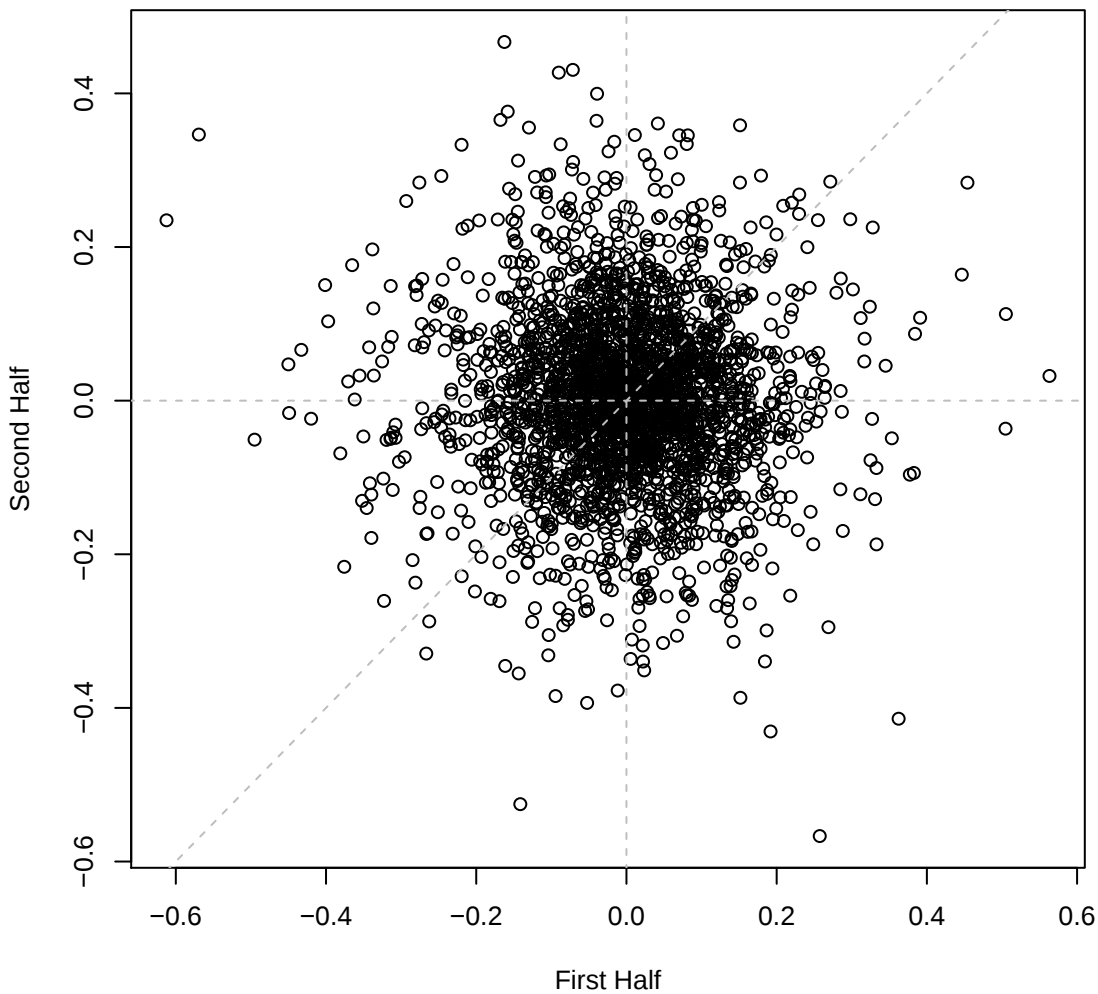


**Keio set6IT075 #219 (gMed=370 rho12=0.211)**  
**inner cut, LB soft agar motility assay**



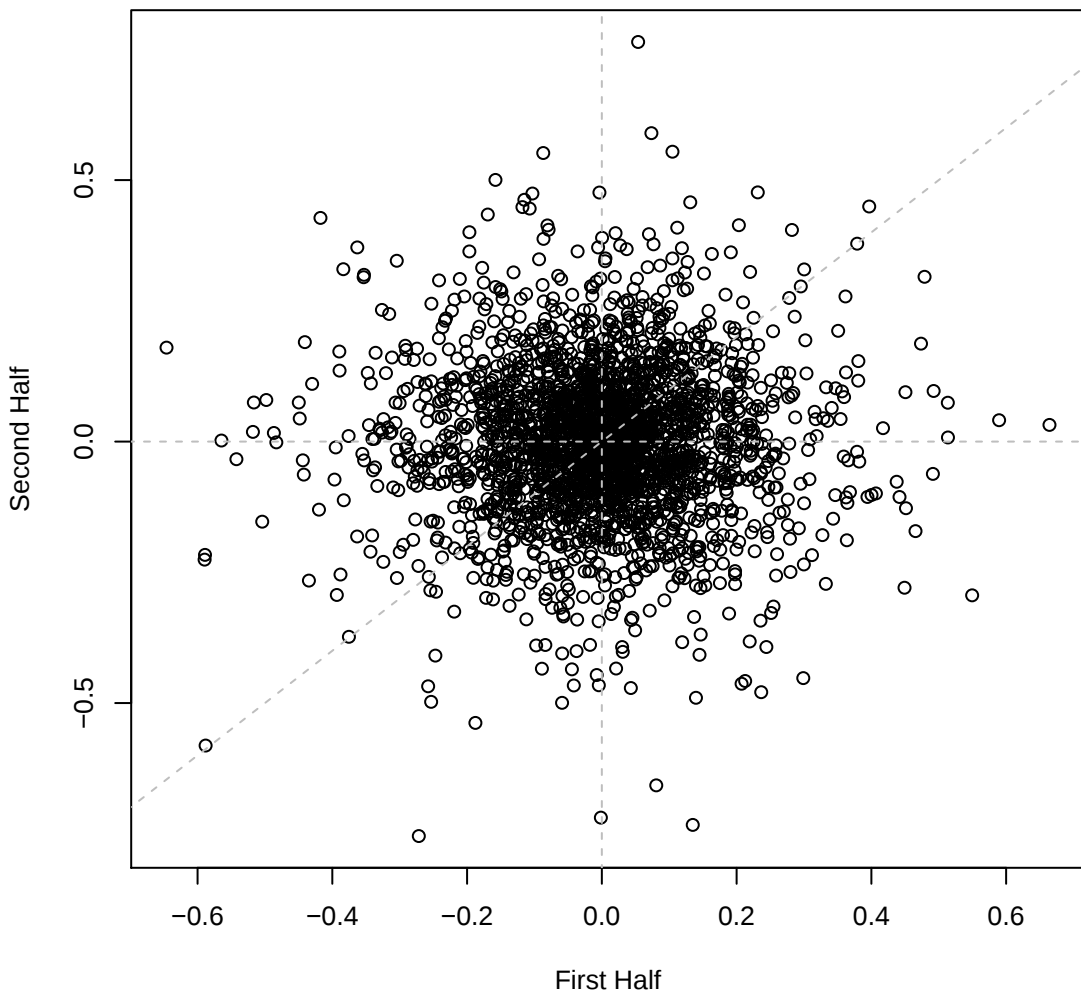
Keio set6IT076 #220 (gMed=686 rho12=-0.027)

Time0



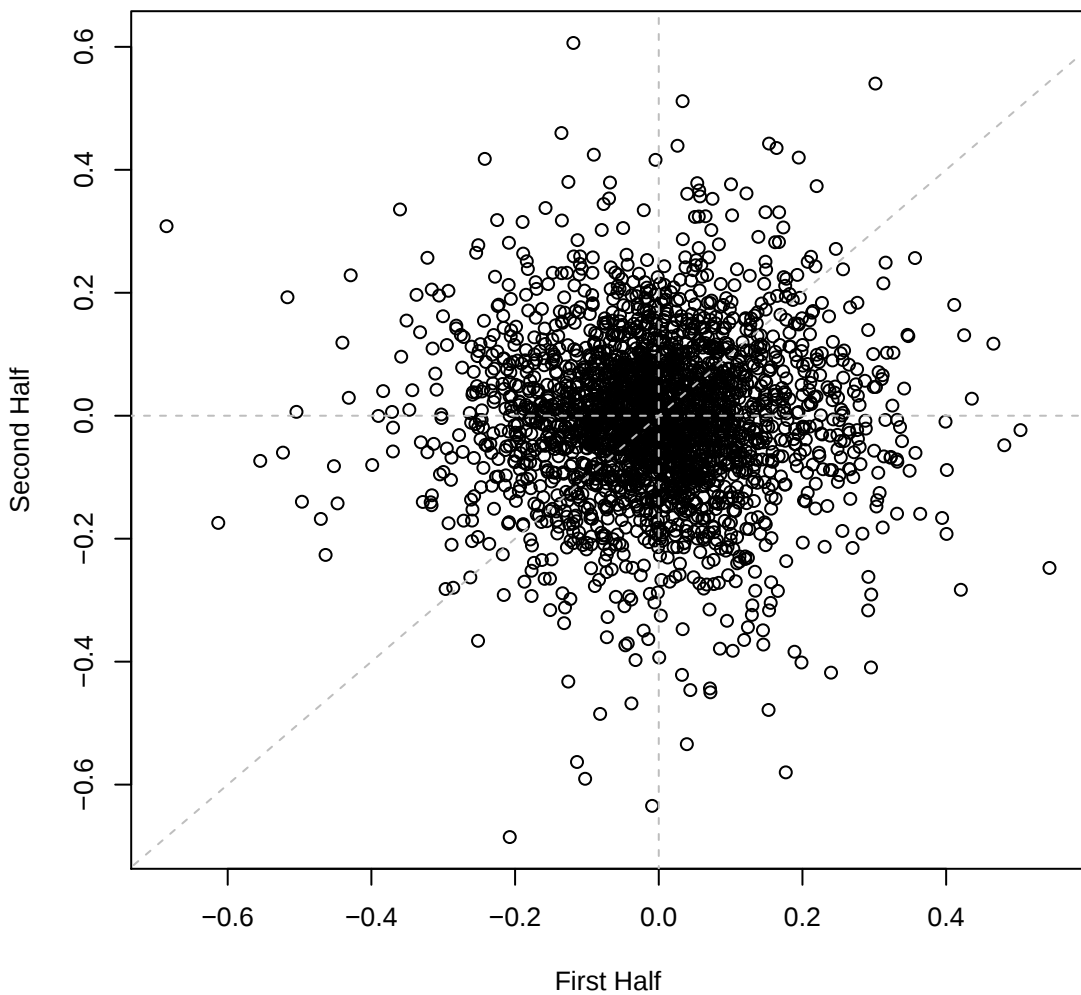
Keio set6IT077 #221 (gMed=294 rho12=0.004)

Time0



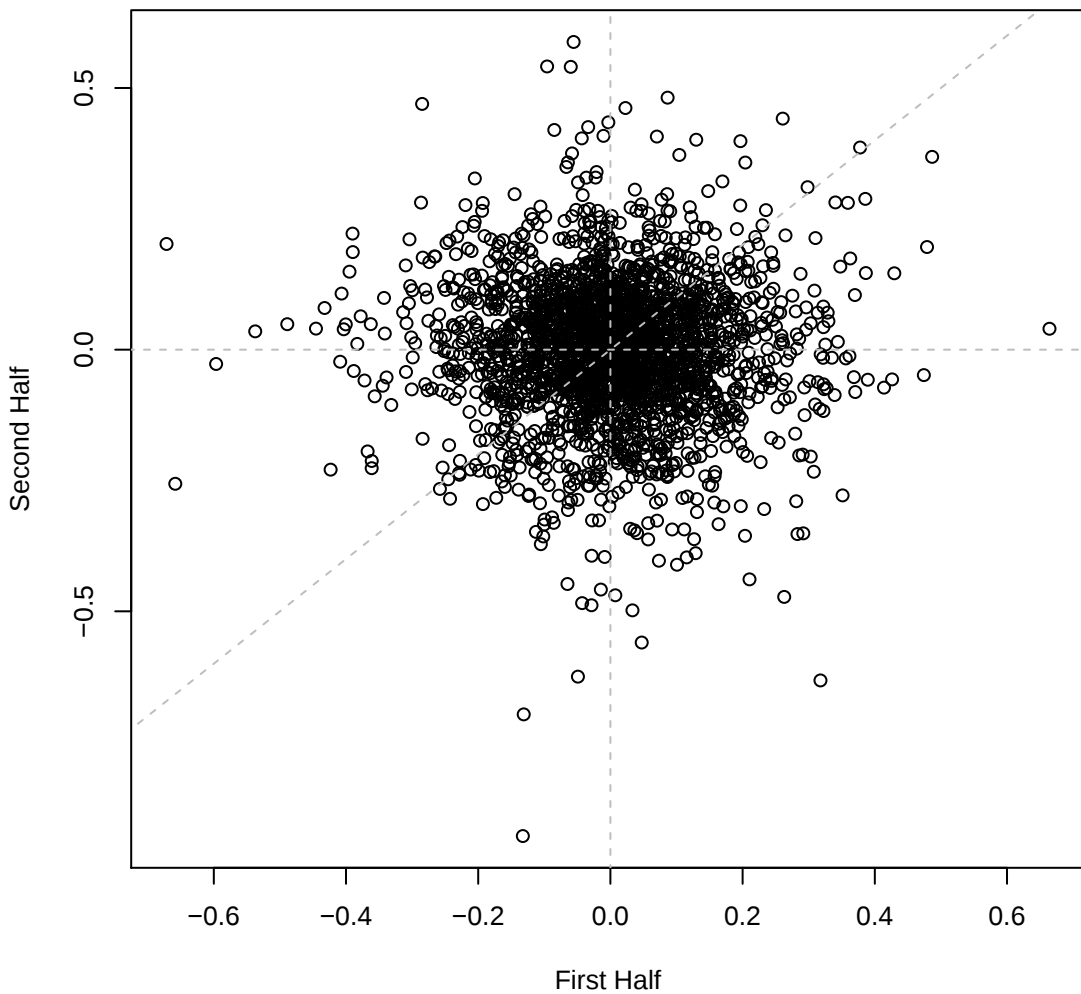
Keio set6IT078 #222 (gMed=385 rho12=0.001)

Time0



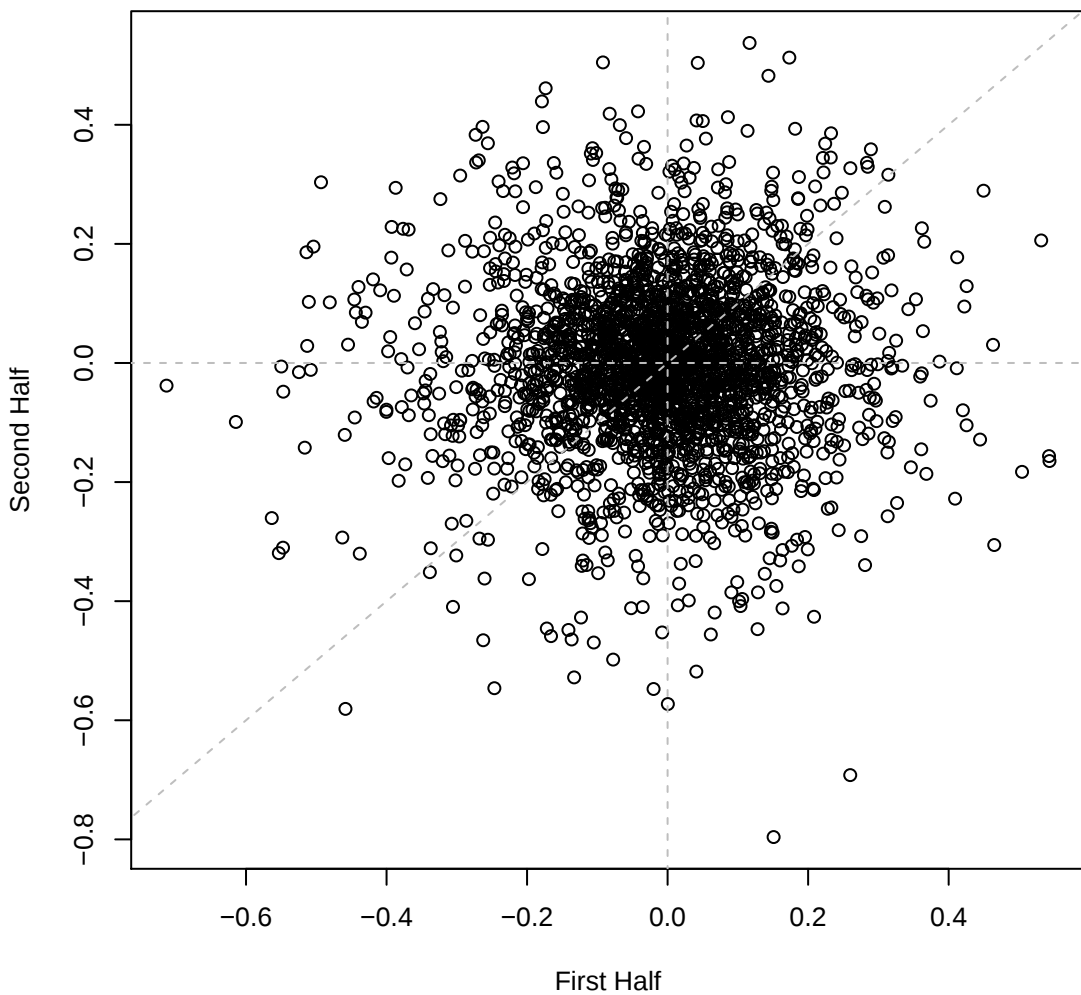
**Keio set6IT079 #223 (gMed=429 rho12=-0.024)**

**Time0**



Keio set6IT080 #224 (gMed=304 rho12=0.011)

Time0



Keio set6IT081 #225 (gMed=278 rho12=-0.039)

Time0

