

Essential but not vulnerable: indazole sulfonamides targeting inosine monophosphate dehydrogenase as potential leads against *Mycobacterium tuberculosis*

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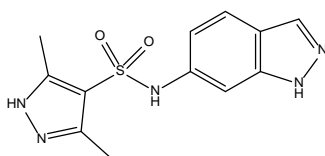
List of Supplementary Material

Synthesis

Synthesis

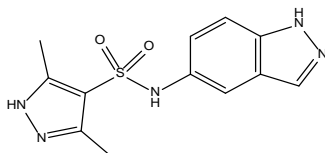
General Methods Chemicals and solvents were purchased from Aldrich Chemical Co., Alfa Aesar, Fluorochem, Apollo and Fisher Chemicals and were used as received, unless otherwise stated. Air- and moisture-sensitive reactions were carried out under an inert atmosphere of argon in oven-dried glassware. Analytical thin-layer chromatography (TLC) was performed on precoated TLC plates (layer 0.20 mm silica gel 60 with fluorescent indicator UV254, from Merck). Developed plates were air-dried and analysed under a UV lamp (UV 254/365 nm) and/or KMnO_4 was used for visualization. Flash column chromatography was performed on an automated purification system (Teledyne ISCO Combiflash Companion or Combiflash Retrieve) using Grace Resolve prepacked silica gel cartridges (230-400 mesh, 40-63 μm , varying sizes depending on reaction scale). ^1H and ^{13}C NMR spectra were recorded on a Bruker Advance II 500 spectrometer operating at 500.1 and 125.8 MHz (unless otherwise stated) using CDCl_3 or DMSO-d_6 solutions. Chemical shifts (δ) are expressed in ppm recorded using the residual solvent as the internal reference in all cases. Signal splitting patterns are described as singlet (s), doublet (d), triplet (t), multiplet (m), broadened (b) or a combination thereof. Coupling constants (J) are quoted to the nearest 0.1 Hertz (Hz). LC-MS analyses were performed with either an Agilent HPLC 1100 series connected to a Bruker Daltonics MicroTOF or and Agilent Technologies 1200 series HPLC connected to an Agilent Technologies 6130 quadrupole spectrometer, where both instruments were connected to an agilent diode array detector. LC-MS chromatographic separations were conducted with a Water Xbridge C18column, 50 mm x 2.1 mm, 3.5 μm particle size; using either methanol, methanol/water (95:5) or water /acetonitrile (1:1) + 0.1% formic acid as the mobile phase; linear gradient from 80:20 to 5:95 over 3.5 min and then held for 1.5 min; flow rate of 0.5 mL min^{-1} . All synthesized compounds were determined to be of > 95% purity by the LC-MS method (TIC and UV) as determined using this analytical LC-MS system. High resolution electrospray measurements were performed on a Bruker MicroTof mass spectrometer. Microwave-assisted chemistry was performed using a Biotage initiator microwave synthesizer.

N-(1H-indazol-6-yl)-3,5-dimethyl-1H-pyrazole-4-sulfonamide (**1**)



Dichloromethane (100 mL) was added to 1H-indazol-6-amine (10.9g, 81.8 mmol) resulting in a brown suspension. To the suspension was added 2,6-dimethylpyridine (22 g, 204 mmol) and the reaction mixture stirred for 5 min, after which 3, 5-dimethyl-1H-pyrazole-4-sulfonyl chloride (17.5 g, 90 mmol) was added portion wise over 20 minutes and the suspension stirred overnight at room temperature. The reaction was diluted with 10% methanol in dichloromethane (200mL) to dissolve the gum and both layers. The organics were washed with saturated NaHCO₃ (50 mL), which was further extracted twice with dichloromethane. The combined organics were concentrated under reduced pressure to give a gum, which was purified by flash chromatography (0-10% ethanol in DCM with ammonia) to afford an off-white solid. The solid was suspended in water 300 ml and heated to boiling, this was filtered and resulting solid washed with ice cold water then dried in a vac oven to afford 5.45g *N*-(1H-indazol-6-yl)-3,5-dimethyl-1H-pyrazole-4-sulfonamide, (5.45 g, 24%) as a solid. ¹H NMR (500 MHz, DMSO) δ 12.86 - 12.81 (2H, m), 10.12 (1H, s), 7.94 (1H, s), 7.61 (1H, d, J=8.7 Hz), 7.19 (1H, s), 6.87 (1H, dd, J=1.7, 8.7 Hz), 2.22 (6H, s). m/z (ES+) (M + H)⁺ = 292.

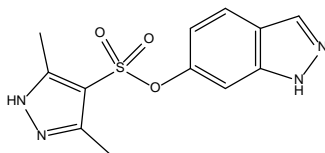
N-(1H-indazol-5-yl)-3, 5-dimethyl-1H-pyrazole-4-sulfonamide (**2**)



To a solution of 1H-indazol-5-amine (5 g, 37.5 mmol) in dichloromethane (42 mL) was added 3,5-dimethyl-1H-pyrazole-4-sulfonyl chloride (7.3 g, 37.5mmol) followed by 3,5-lutidine (16 g, 150.2mmol) with stirring. The reaction was stirred at room temperature overnight. The reaction was diluted with water and brine and the organics separated. The organics were then dried (sodium sulphate) filtered and concentrated in vacuo. The residue was triturated with ether and concentrated in vacuo multiple times before the residue was taken up in MeOH and loaded onto Silica. The residue was purified by automated flash chromatography (eluting with dichloromethane to 10% MeOH in dichloromethane) to afford a solid. The solid was triturated with ether and the ether removed by filtration. The solid was dissolved in MeOH at 40 °C and activated charcoal added and stirred at room temperature for 90mins. The suspension was then filtered through a pad of celite, washed with MeOH and then concentrated in vacuo to afford *N*-(1H-indazol-5-yl)-3, 5-dimethyl-1H-pyrazole-4-sulfonamide as an off-white solid, (10.9g, 19%). ¹H NMR (500

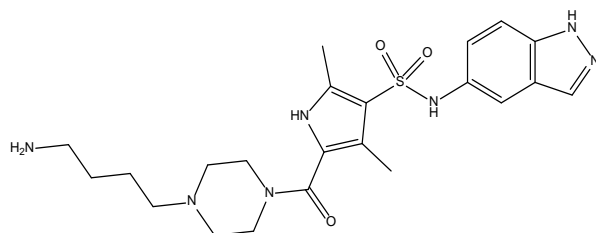
MHz, DMSO) δ 13.01 (1H, s), 12.75 (1H, s), 9.65 (1H, s), 8.01 (1H, s), 7.43 (1H, d, $J=8.8$ Hz), 7.36 (1H, s), 7.08 (1H, dd, $J=1.9, 8.8$ Hz), 2.10 (6H, s). m/z (ES+) $(M + H)^+ = 292$ (M+H).

1H-indazol-6-yl 3,5-dimethyl-1H-pyrazole-4-sulfonate (**3**)

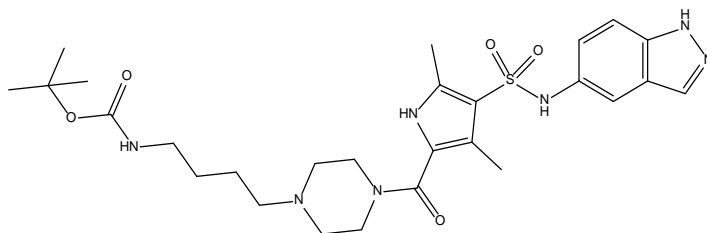


1H-indazol-6-ol (50 mg, 0.37 mmol) was dissolved in dichloromethane (3 mL) with *N,N*-diethylethanamine (45 mg, 0.45 mmol) at 0 °C and then 3,5-dimethyl-1H-pyrazole-4-sulfonyl chloride (73 mg, 0.37 mmol) added. The mixture was stirred at 0 °C for 4h and then stirred at room temperature for 16h. The product was extracted with chloroform, washed with brine and then concentrated in vacuo. The resulting residue was purified using the waters auto-prep acidic (20 - 95 %). The fractions were concentrated in vacuo to afford 1H-indazol-6-yl 3,5-dimethyl-1H-pyrazole-4-sulfonate (12 mg, 10%) as a solid. ^1H NMR (500 MHz, DMSO) δ 13.26 (1H, s), 13.17 (1H, s), 8.12 (1H, s), 7.77 (1H, d, $J=8.7$ Hz), 7.20 (1H, s), 6.78 (1H, dd, $J=2.0, 8.7$ Hz), 2.12 (6H, s). m/z (ES+) $(M + H)^+ = 293$.

5-[4-(4-aminobutyl)piperazine-1-carbonyl]-N-(1H-indazol-5-yl)-2,4-dimethyl-1H-pyrrole-3-sulfonamide (**4**)

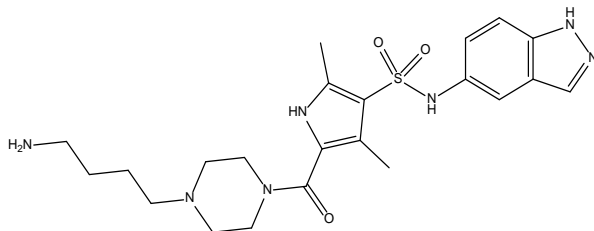


Tert-butyl N-[4-[4-[4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carbonyl]piperazin-1-yl]butyl]carbamate



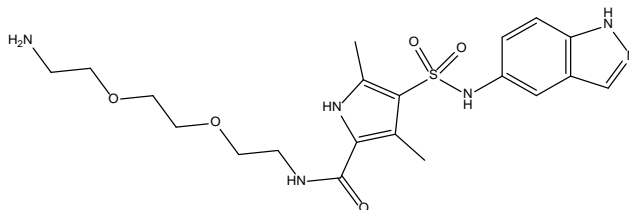
To a solution of 4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxylic acid (60 mg, 0.18 mmol) in DMF (0.3 mL) and MeCN (0.3 mL) was added EDC.HCl (41 mg, 0.22 mmol), HOAT (29 mg, 0.22 mmol), tert-butyl N-(4-piperazin-1-ylbutyl)carbamate (92 mg, 0.36 mmol) and DIPEA (0.09 mL, 0.54 mmol). After stirring for 20 h at room temperature, the solvents were removed in vacuo and the residue was purified by flash chromatography (5% MeOH in DCM) to afford a solid which was triturated with diethyl ether to afford the title compound as a white solid (22 mg, 20%). ^1H NMR (500 MHz, DMSO) δ 12.99 (1H, s), 11.53 (1H, s), 9.42 (1H, s), 7.99 (1H, s), 7.40 (1H, d, $J = 8.8$ Hz), 7.32 (1H, s), 7.06 (1H, dd, $J = 8.8, 1.8$ Hz), 6.85 – 6.80 (1H, m), 3.27 (4H, br s), 2.95 – 2.89 (2H, m), 2.28 – 2.20 (6H, m), 2.18 (3H, s), 1.87 (3H, s), 1.42 – 1.35 (13H, m). m/z (ES+) $(M + H)^+ = 574$ (M+H).

5-[4-(4-aminobutyl)piperazine-1-carbonyl]-N-(1H-indazol-5-yl)-2,4-dimethyl-1H-pyrrole-3-sulfonamide
(4)

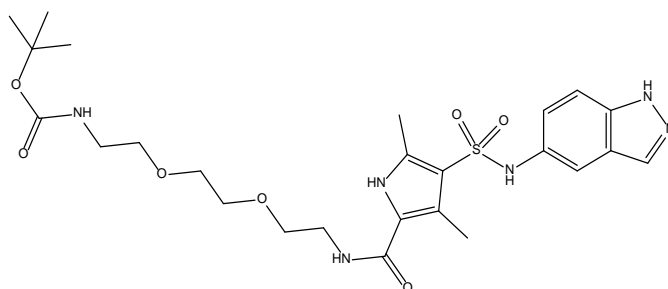


To a solution of tert-butyl N-[4-[4-[4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxyl]piperazin-1-yl]butyl]carbamate (20 mg, 0.03 mmol) in DCM (0.5 mL) was added trifluoroacetic acid (4 mg, 0.03 mmol). After stirring for 2 h at room temperature, the reaction mixture was purified using an SCX cartridge washing with MeOH and eluting the product with 3N NH_3 in MeOH. The solvent was removed in vacuo to afford the title compound as an off-white solid (12 mg, 73%). ^1H NMR (500 MHz, DMSO) δ 7.99 (1H, d, $J = 0.9$), 7.40 (1H, d, $J = 8.9$), 7.32 (1H, d, $J = 1.8$), 7.05 (1H, dd, $J = 8.9, 1.8$), 3.14 – 3.06 (4H, br s), 2.62 – 2.55 (2H, m), 2.26 – 2.16 (9H, m), 1.85 (3H, s), 1.48 – 1.34 (4H, m). m/z (ES+) $(M + H)^+ = 474$ (M+H).

N-[2-[2-(2-aminoethoxy)ethoxy]ethyl]-4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxamide (**5**)

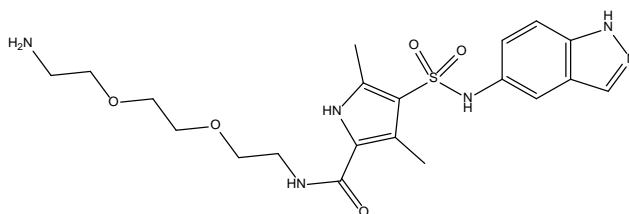


Tert-butyl N-[2-[2-[2-[4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carbonyl]amino]ethoxy]ethoxy]ethyl]carbamate



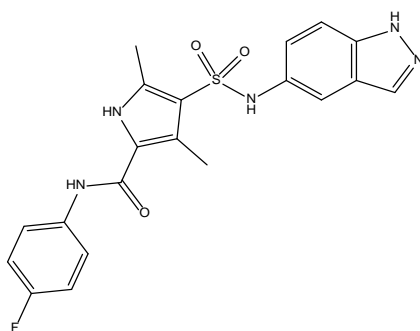
To a solution of 4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxylic acid (93 mg, 0.28 mmol) in DMF (0.3 mL) and MeCN (0.3 mL) was added EDC.HCl (64 mg, 0.33 mmol), HOAT (45 mg, 0.33 mmol), tert-butyl N-[2-[2-(2-aminoethoxy)ethoxy]ethyl]carbamate (138 mg, 0.56 mmol) and DIPEA (0.15 mL, 0.83 mmol). After stirring for 20 h at room temperature, the solvents were removed in vacuo and the residue was purified by flash chromatography (0 – 20% MeOH in DCM) to afford the title compound as a white solid (20 mg, 13%). m/z (ES+) (M + H)⁺ = 565 (M+H).

N-[2-[2-(2-aminoethoxy)ethoxy]ethyl]-4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxamide (**5**)

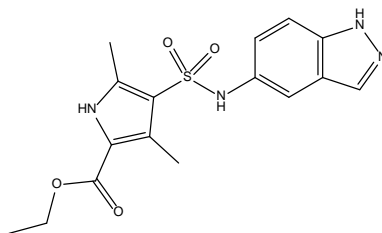


To a solution of tert-butyl N-[2-[2-[2-[[4-(1H-indazol-5-yl)sulfamoyl]-3,5-dimethyl-1H-pyrrole-2-carbonyl]amino]ethoxy]ethoxy]ethyl]carbamate (20 mg, 0.03 mmol) in DCM (0.5 mL) was added trifluoroacetic acid (4 mg, 0.03 mmol). After stirring for 2 h at room temperature, the reaction mixture was purified using an SCX cartridge washing with MeOH and eluting the product with 3N NH₃ in MeOH. The solvent was removed in vacuo to afford the title compound as an off-white solid (10 mg, 62%). m/z (ES+) (M + H)⁺ = 465 (M+H).

4-(N-(1H-indazol-5-yl)sulfamoyl)-N-(4-fluorophenyl)-3,5-dimethyl-1H-pyrrole-2-carboxamide (**6**)



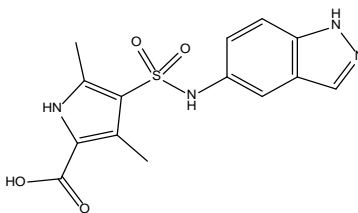
Ethyl 4-(N-(1H-indazol-5-yl)sulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxylate



To a solution of 3, 5-lutidine (1.2 g, 11.3 mmol) and 1H-indazol-5-amine (1.5 g, 11.3 mmol) in dichloromethane (20mL) was added ethyl 4-chlorosulfonyl-3, 5-dimethyl-1H-pyrrole-2-carboxylate (3.0 g, 11.3 mmol) at 25 °C. After stirring for 20 hours, the mixture was diluted with ethyl acetate (40 mL), then washed with 5% aqueous hydrochloric acid solution (ice-cold, 25 mL) and brine (25 mL). The organic layer

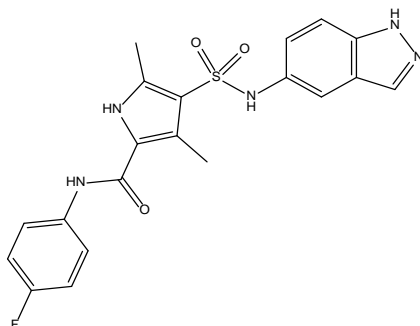
was dried over MgSO_4 and concentrated in vacuo to afford a solid residue. The residue was purified by flash chromatography (25–30% ethyl acetate in hexanes) to provide ethyl 4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxylate (2.99g, 73 %) as a white solid. ^1H NMR (500 MHz, DMSO-d_6) δ 12.99 (1H, s), 11.86 (1H, s), 9.61 (1H, s), 8.00 (1H, s), 7.42 (1H, d, $J=8.8$ Hz), 7.37 (1H, d, $J=1.4$ Hz), 7.07 (1H, dd, $J=1.9, 9.0$ Hz), 4.20 (2H, q, $J=7.1$ Hz), 2.32 (3H, s), 2.17 (3H, s), 1.26 (3H, t, $J=7.1$ Hz). m/z (ES+) $(M + H)^+ = 363.1331$ (M+H).

4-(N-(1H-indazol-5-yl)sulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxylic acid



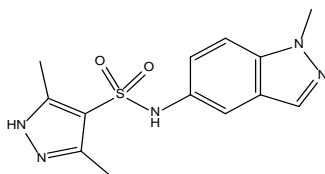
Ethyl 4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxylate (1000 mg, 2.76 mmol) was stirred in THF (10 mL) and water (10 mL) and lithium hydroxide (442 mg, 22.0 mmol) was added. The reaction mixture was heated to 70 oC overnight. A further 275 mg (13.75 mmol) of lithium hydroxide was added and heated to 70oC for 2 hours until the reaction was complete. The reaction mixture was diluted with 2N HCl (5 mL) and extracted with EtOAc (3 x 10 mL), the organics were combined and washed with water and brine, dried using a hydrophobic frit and evaporated under reduced pressure to give a dark pink solid. Trituration with hot ethyl acetate followed by filtration and overnight drying in a vacuum oven at 45 °C gave the title compound as a pale pink solid (906 mg, 89 %). ^1H NMR (500 MHz, DMSO-d_6): δ 12.97 (s, 2H), 11.78 (s, 1H), 9.57 (s, 1H), 8.00 (d, $J=0.9$ Hz, 1H), 7.42 (d, $J=9.0$ Hz, 1H), 7.36 (d, $J=1.4$ Hz, 1H), 7.07 (dd, $J=2.0, 8.8$ Hz, 1H), 2.30 (s, 3H), 2.16 (s, 3H). m/z (ES+) $(M + H)^+ = 335.0$, $(2M + H)^+ = 669.16$.

4-(N-(1H-indazol-5-yl)sulfamoyl)-N-(4-fluorophenyl)-3,5-dimethyl-1H-pyrrole-2-carboxamide (**6**)



To a solution of acid of 4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxylic acid (70 mg, 0.21 mmol) in acetonitrile and DMF (3 mL, 1:1 ratio) was added HOBT (28 mg, 0.21 mmol), EDC.HCl (40 mg, 0.21 mmol) and 4-fluoroaniline (47 mg, 0.49 mmol). The mixture stirred for 30 min, then DIPEA (32 mg, 0.25 mmol) was added to the reaction mixture. The reaction mixture was stirred at room temperature overnight. The mixture was purified by pre-HPLC column chromatography eluting with 0.1 % Formic acid in MeCN / Water. The desired fractions were concentrated to dryness in vacuo, to afford N-(4-fluorophenyl)-4-(1H-indazol-5-ylsulfamoyl)-3,5-dimethyl-1H-pyrrole-2-carboxamide as a white solid (34 mg, 0.08 mmol, 37.98 % yield). ¹H-NMR (500 MHz, DMSO-d₆): δ 12.98 (s, 1H), 11.69 - 11.69 (m, 1H), 9.65 (s, 1H), 9.57 (s, 1H), 8.00 (s, 1H), 7.64 - 7.60 (m, 2H), 7.45 - 7.40 (m, 2H), 7.17 - 7.11 (m, 3H), 2.36 (s, 3H), 2.23 (s, 3H). m/z (ES+) (M + H)⁺ = 428.12 (M+H).

3, 5-Dimethyl-N-(1-methyl-1H-indazol-5-yl)-1H-pyrazole-4-sulfonamide (**7**)



To a solution of 1-methylindazol-5-amine (400 mg, 2.7 mmol) in dichloromethane (5 mL) was added 3,5-dimethyl-1H-pyrazole-4-sulfonyl chloride (529 mg, 2.7 mmol), followed by 3, 5-lutidine (1.16 g, 10.8 mmol) with stirring. The reaction mixture was stirred at room temperature overnight then concentrated under reduced pressure to afford a residue. The residue was dissolved in acetonitrile and water (1:1) and purified by pre-HPLC column chromatography eluting with 0.1 % formic acid in acetonitrile and water. The fractions containing the desired product were passed down Si-carbonate isolate cartridge and washed through with methanol and concentration under reduced pressure gave a white solid on

(552 mg, 65%) NMR and LCMS are consistent with the desired product. ^1H NMR (500 MHz, DMSO- d_6): δ 12.83 (1H, s), 10.21 (1H, s), 7.92 (1H, s), 7.60 (1H, d, $J=8.7$ Hz), 7.17 (1H, s), 6.87 (1H, dd, $J=1.7, 8.7$ Hz), 3.92 (3H, s), 2.26 (6H, s). m/z (ES+) ($M + H$) $^+$ = 306.1 ($M+H$).

Supplementary Figure legends

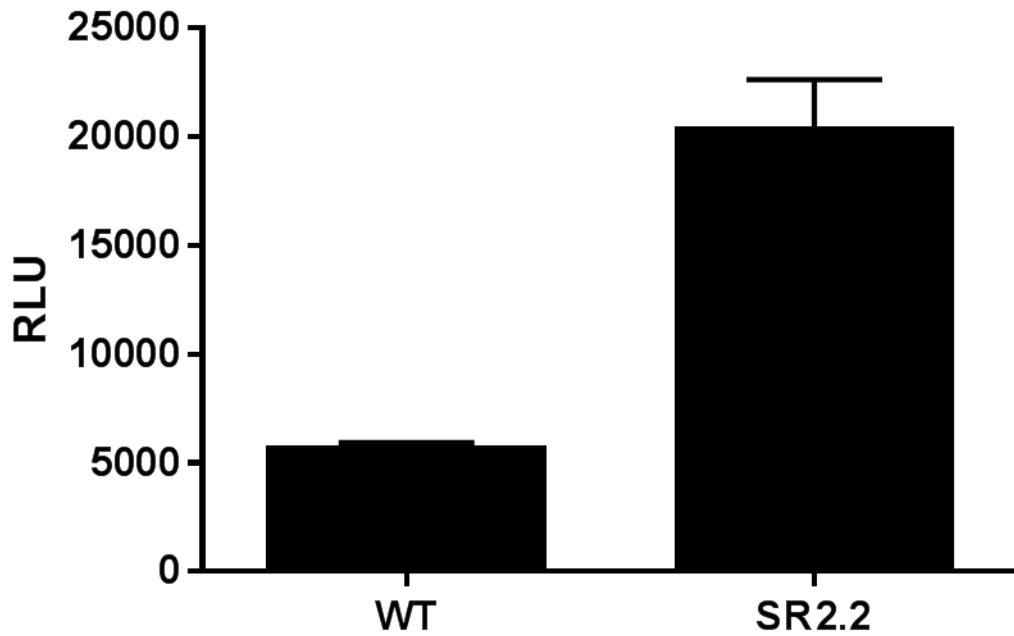


Fig. S1. The C -> T SNP at -49bp upstream of *guaB2* causes upregulation of *guaB2* gene expression. The wild type or mutated *guaB2* promoter was inserted upstream of the luciferase gene and expressed in *M. smegmatis*. The level of luciferase was measured by luminescence (RLU) provides a measure of basal promoter strength for the two promoter sequences.

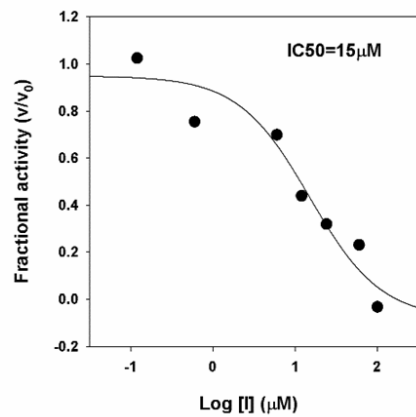


Figure S2. Plot of the enzyme fractional activity versus the logarithm of inhibitor concentration used to calculate IC₅₀ of compound 1 against human IMPDH.

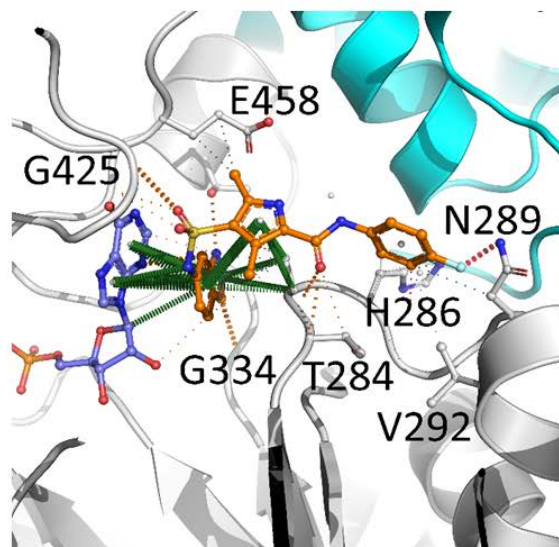


Figure S3. Interactions made by Compound 6 (orange) in the X-ray crystal structure of the complex of IMPDH (grey; and adjacent protomer in cyan) with IMP (blue). Residue numbering is of the corresponding residues in Mtb. Pi interactions are shown in green, hydrogen bonds in red, polar interactions in orange and proximal hydrophobic interactions in grey.

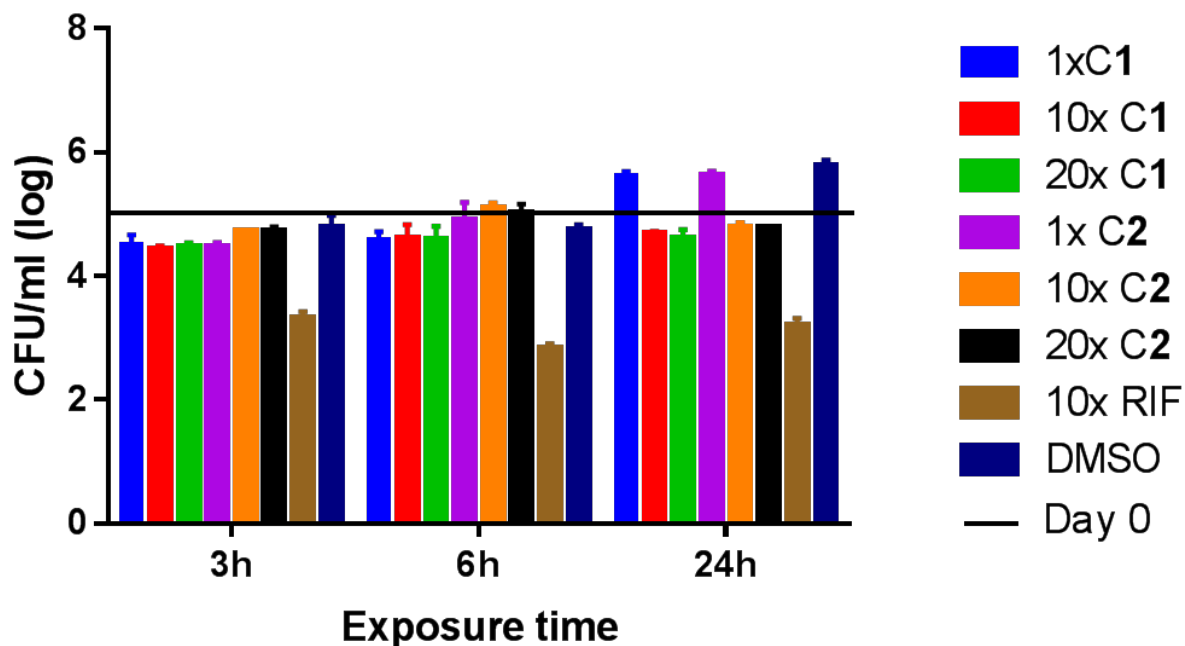


Figure S4. Extended exposure of *Mtb* to compounds 1 (C1) and 2 (C2) at 1-, 10- and 20X MIC concentrations is required to effect bacteriostasis during parasitism of host macrophages. *Mtb*-infected macrophages were exposed for 7 days to compounds for daily exposure periods of 3h, 6h or 24h followed by compound removal followed by CFU enumeration. Day 0 line shows bacterial inoculum prior to drug treatment.

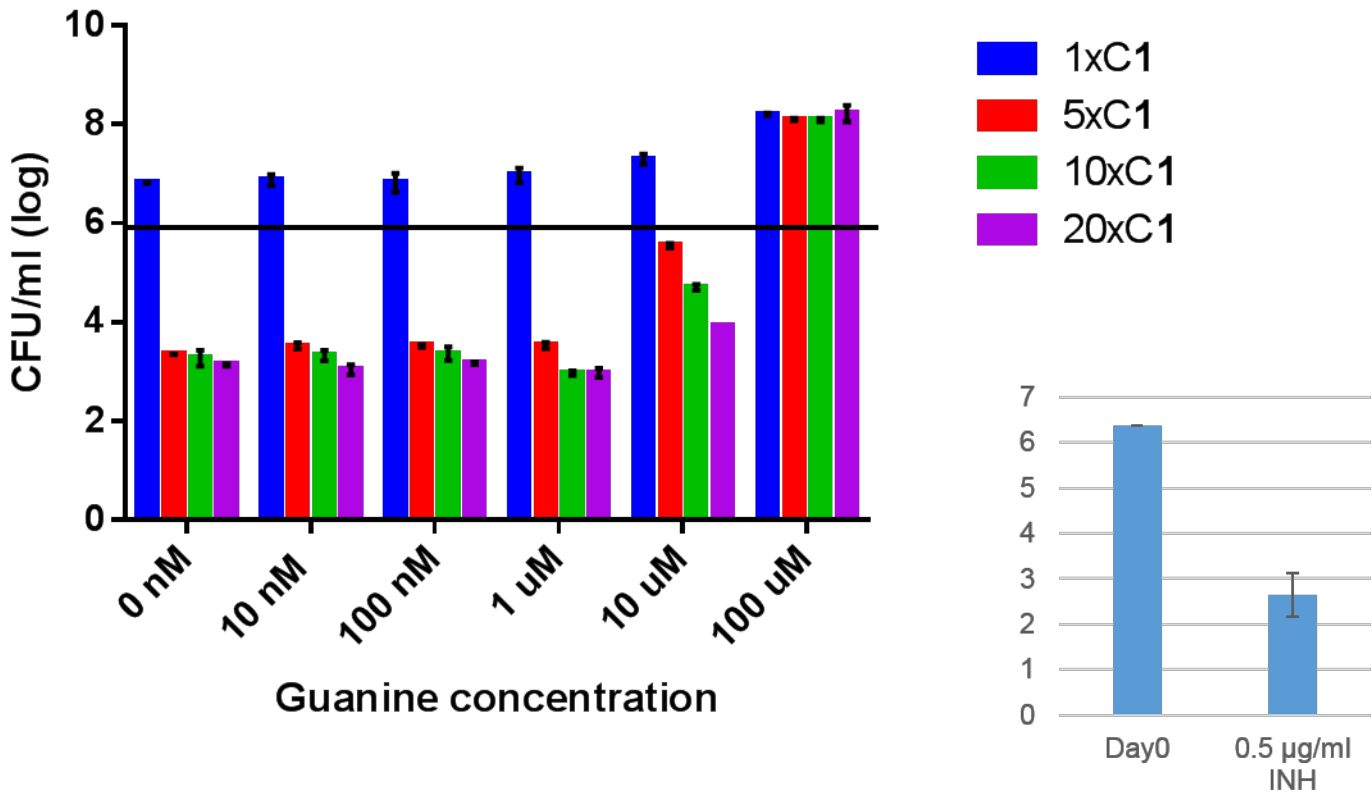


Figure S5: Guanine rescues the cidality of an IMPDH inhibitor in a concentration dependent manner.

Mtb was grown in 7H9-based broth and exposed to compound 1 (C1) in the absence or presence of increasing concentrations guanine. CFU was enumerated after a week of exposure. In a parallel experiment, *Mtb* was treated with isoniazid for 1 week followed by CFU enumeration (right panel).

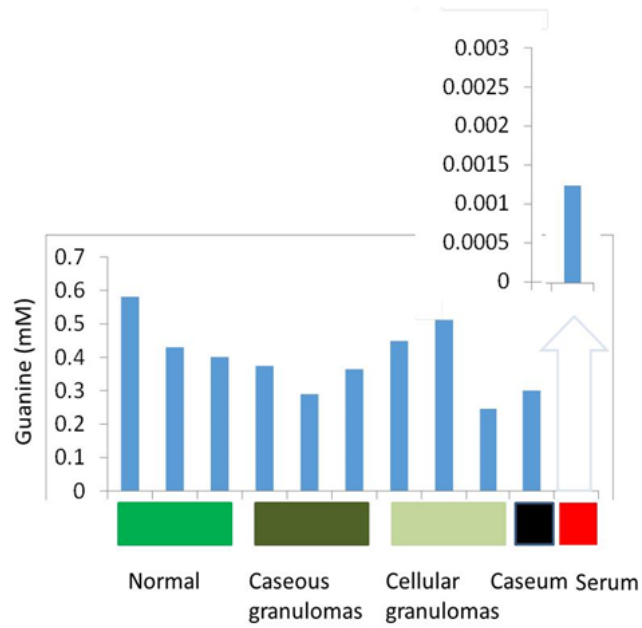


Figure S6. Guanine levels measured in rabbit uninvolved lung and lesion homogenates at 20 weeks post-infection, when lesions have fully matured and differentiated. Cellular granulomas are exclusively composed of immune cells, caseous granulomas contain a necrotic central core, and caseum was collected from an open cavity.

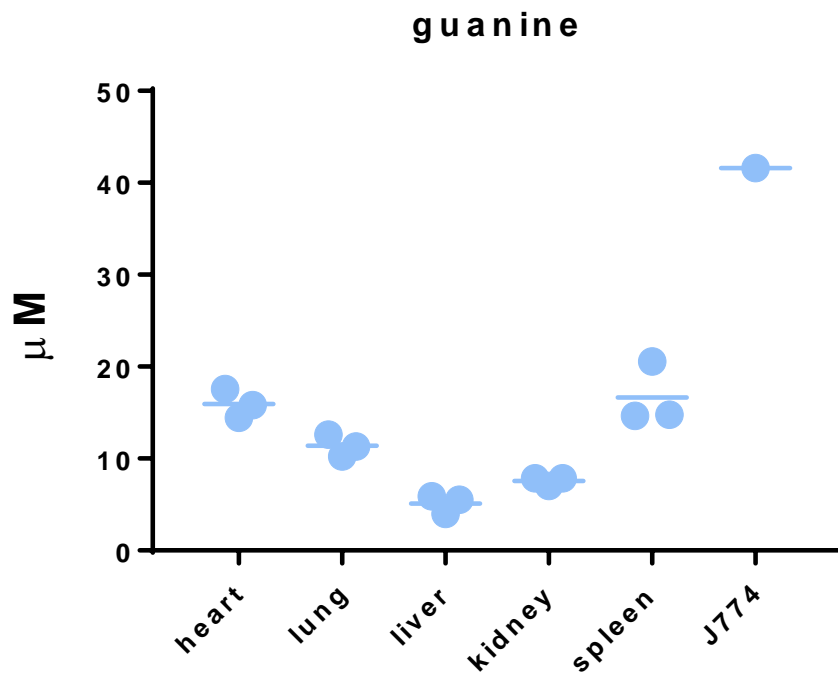


Figure S7. Guanine levels measured in uninfected mouse organs and in J774 cells.

Table S1: Profiles of compound **1** and compound **2**

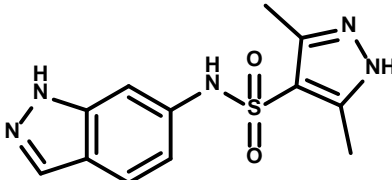
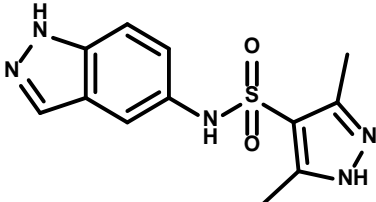
ID	1	2
		
GAST/Fe MIC (μM)	2	2
7H9/ADC/Tw MIC (μM)	2	2
HepG2 IC ₅₀ (μM)	> 50	> 50
Off target bioprofile	Clean	Clean
hERG IC ₅₀ (Thallium Flux) (μM)	> 30 μM	> 30 μM
Kinetic Solubility (μM)	> 250	> 100
Molecular Weight	291	291
In silico logP/D	1.5/1.5	1.5/1.5
In silico TPSA	103	103
Microsomal Clearance (mL/min/g)	Mouse = 4.1 Rat = 1.8 Marmoset < 0.5 Rabbit NZW = 4.7 Human = 0.5	Mouse = 2.2 Human < 0.5
C57 mouse PPB	52 % unbound	40 %

Table S2: Metabolomic data for treatment of Mtb with active or inactive indazole scaffold

Compound Name	Formula	Mass	RT (min)	OX		AC-
				Level	SD(±)	Level
Uracil	C4 H4 N2 O2	112.026	2.44	1.00	0.10	1.40
Thymine	C5 H6 N2 O2	126.042	1.63	1.00	0.05	1.02
Adenine	C5 H5 N5	135.053	3.09	1.00	0.07	1.42
Hypoxanthine	C5 H4 N4 O	136.037	6.41	1.00	0.07	1.29
Deoxycytidine	C9 H13 N3 O4	227.09	2.01	1.00	0.23	0.69
Uridine	C9 H12 N2 O6	244.067	3.17	1.00	0.06	1.02
Inosine	C10 H12 N4 O5	268.08	11.29	1.00	0.13	0.96
Guanosine	C10 H13 N5 O5	283.089	4.07	1.00	0.45	1.38
Xanthosine	C10 H12 N4 O6	284.082	5	1.00	0.14	0.91
dCMP	C9 H14 N3 O7 P	307.055	12.68	1.00	0.19	2.07
dTMP	C10 H15 N2 O8 P	322.056	12.45	1.00	0.11	1.72
CMP	C9 H14 N3 O8 P	323.056	12.45	1.00	0.10	1.08
UMP	C9 H13 N2 O9 P	324.034	12.47	1.00	0.06	0.75
cAMP	C10 H12 N5 O6 P	329.052	5.78	1.00	0.23	5.17
dAMP	C10 H14 N5 O6 P	331.067	12.63	1.00	0.21	1.43
2'-Deoxyinosine 5'-phosphate	C10 H13 N4 O7 P	332.051	12.29	1.00	0.02	0.53
cGMP	C10 H12 N5 O7 P	345.042	12.19	1.00	0.11	0.91
AMP	C10 H14 N5 O7 P	347.062	12.58	1.00	0.13	1.02
IMP	C10 H13 N4 O8 P	348.054	12.56	1.00	0.51	8.24
GMP	C10 H14 N5 O8 P	363.056	12.59	1.00	0.06	0.67
XMP	C10 H13 N4 O9 P	364.044	12.59	1.00	0.11	0.75
dCDP	C9 H15 N3 O10 P2	387.017	12.63	1.00	0.18	2.83
dUDP	C9 H14 N2 O11 P2	388.01	12.67	1.00	0.24	2.42
Acetyl adenylate	C12 H16 N5 O8 P	389.079	12.15	1.00	0.07	1.10
dTDP	C10 H16 N2 O11 P2	402.012	12.47	1.00	0.05	0.88
CDP	C9 H15 N3 O11 P2	403.004	12.46	1.00	0.05	0.88
UDP	C9 H14 N2 O12 P2	404	12.47	1.00	0.13	0.62
ADP	C10 H15 N5 O10 P2	427.028	12.55	1.00	0.12	1.02
IDP	C10 H14 N4 O11 P2	428.024	12.55	1.00	0.24	2.22
dCTP	C9 H16 N3 O13 P3	466.995	12.8	1.00	0.09	1.15
dTTP	C10 H17 N2 O14 P3	481.985	12.47	1.00	0.09	0.91
CTP	C9 H16 N3 O14 P3	482.975	12.46	1.00	0.09	0.91
UTP	C9 H15 N2 O15 P3	483.971	12.48	1.00	0.13	0.82
ATP	C10 H16 N5 O13 P3	506.996	12.54	1.00	0.19	1.05
UDP-glucose	C15 H24 N2 O17 P2	566.058	11.86	1.00	0.25	0.85

ADP-glucose	C16 H25 N5 O15 P2	589.085	12.18	1.00	0.25	1.55
GDP-glucose	C16 H25 N5 O16 P2	605.083	12.18	1.00	0.12	1.15
UDP-N-acetyl-alpha-D-glucosamine	C17 H27 N3 O17 P2	607.086	11.89	1.00	0.07	1.10
CoA	C21 H36 N7 O16 P3 S	767.119	12.27	1.00	0.06	0.99
Acetyl-CoA	C23 H38 N7 O17 P3 S	809.127	12.25	1.00	0.04	1.21
Succinyl-CoA	C25 H40 N7 O19 P3 S	867.138	12.34	1.00	0.13	1.03

0.5X	AC-1X		AC-5X		AC-10X		IN-0.5X		IN-1X		IN-5X		IN-
SD(±)	Level	SD(±)	Level	SD(±)	Level	SD(±)	Level	SD(±)	Level	SD(±)	Level	SD(±)	Level
0.19	1.26	0.11	1.76	0.15	1.61	0.26	2.54	0.82	0.99	0.05	1.03	0.11	1.06
0.04	0.85	0.01	0.89	0.05	0.91	0.05	0.81	0.34	0.79	0.05	0.80	0.06	0.74
0.14	1.27	0.01	1.61	0.15	1.58	0.09	1.99	0.34	2.99	0.05	3.26	0.10	2.96
0.01	1.00	0.05	1.33	0.08	1.39	0.03	0.92	0.13	0.97	0.01	1.03	0.04	0.88
0.31	0.58	0.04	0.79	0.07	0.67	0.22	1.02	0.91	1.12	0.25	1.35	0.08	0.81
0.05	0.84	0.05	1.06	0.11	0.95	0.04	1.50	0.18	1.22	0.05	1.15	0.15	0.95
0.13	0.90	0.10	0.87	0.09	0.70	0.06	0.56	0.56	0.62	0.05	0.83	0.14	0.63
0.37	0.69	0.13	0.97	0.06	1.02	0.07	1.15	0.60	2.67	0.12	1.42	0.53	1.47
0.01	1.25	0.06	1.56	0.24	0.88	0.17	0.90	0.26	0.66	0.21	1.09	0.13	0.80
0.07	2.29	0.29	1.53	0.31	1.05	0.42	0.32	0.60	0.25	0.12	0.24	0.19	0.24
0.08	2.15	0.09	1.49	0.17	1.22	0.18	0.63	0.16	0.68	0.06	0.77	0.06	0.86
0.14	1.19	0.16	0.79	0.22	0.63	0.20	0.33	0.26	0.28	0.07	0.35	0.13	0.37
0.09	0.84	0.10	0.78	0.05	0.76	0.08	0.70	0.24	0.88	0.07	0.76	0.02	0.74
0.20	5.87	0.03	9.26	0.05	7.93	0.10	1.08	0.03	1.25	0.03	1.20	0.13	1.08
0.11	1.84	0.24	1.39	0.20	0.94	0.31	0.21	1.23	0.11	0.53	0.35	0.57	0.35
0.13	0.40	0.06	0.29	0.20	0.27	0.20	0.89	0.38	1.31	0.09	1.41	0.10	1.09
0.06	1.00	0.02	0.89	0.17	0.94	0.04	0.79	0.25	0.75	0.13	0.88	0.13	0.70
0.23	1.19	0.34	0.79	0.42	0.49	0.34	0.20	0.44	0.16	0.07	0.25	0.18	0.23
0.08	14.14	0.09	19.86	0.14	16.02	0.09	0.91	0.65	1.07	0.21	0.96	0.20	1.52
0.10	0.54	0.22	0.31	0.15	0.21	0.19	0.24	0.50	0.09	0.29	0.20	0.42	0.14
0.04	0.54	0.05	0.48	0.07	0.53	0.09	0.77	0.47	0.84	0.04	1.15	0.09	1.01
0.45	2.54	0.08	4.02	0.25	4.83	0.34	2.43	0.29	1.80	0.41	2.34	0.24	0.64
0.43	3.48	0.40	3.52	0.24	3.74	0.19	1.47	0.44	0.66	0.15	0.49	0.45	0.51
0.05	1.14	0.13	1.06	0.04	0.94	0.05	0.64	0.52	0.67	0.09	0.63	0.08	0.64
0.07	0.92	0.10	0.83	0.10	0.71	0.10	0.70	0.36	0.95	0.05	0.84	0.04	0.86
0.02	0.89	0.13	0.84	0.09	0.72	0.11	0.68	0.31	0.89	0.05	0.80	0.03	0.78
0.13	0.58	0.04	0.52	0.15	0.41	0.10	0.54	0.39	0.75	0.01	0.68	0.07	0.65
0.17	0.84	0.10	1.17	0.09	1.11	0.18	0.88	0.19	0.96	0.06	0.91	0.03	0.68
0.12	2.58	0.08	2.58	0.20	2.11	0.25	0.28	0.54	0.47	0.34	0.34	0.31	0.64
0.02	1.22	0.09	1.17	0.03	1.09	0.02	0.68	0.24	0.83	0.03	0.85	0.05	0.77
0.13	0.82	0.06	0.86	0.13	0.74	0.05	0.95	0.47	1.39	0.03	1.11	0.03	1.05
0.17	0.89	0.06	0.90	0.10	0.79	0.05	0.99	0.47	1.45	0.08	1.16	0.07	1.16
0.17	0.64	0.13	1.01	0.03	0.99	0.13	1.07	0.32	1.44	0.09	1.01	0.08	0.70
0.23	0.78	0.24	1.43	0.03	1.41	0.18	1.10	0.20	1.20	0.07	0.92	0.03	0.66
0.14	0.76	0.06	1.04	0.03	0.88	0.06	0.66	0.41	0.84	0.08	0.77	0.24	0.54

0.29	1.95	0.23	3.49	0.25	4.06	0.24	1.67	0.40	1.83	0.16	2.22	0.23	1.76
0.12	1.11	0.04	1.31	0.20	1.40	0.12	0.88	0.20	0.61	0.04	0.83	0.08	0.76
0.04	1.15	0.12	1.35	0.04	1.19	0.02	0.62	0.27	0.69	0.07	0.71	0.14	0.61
0.06	0.95	0.09	1.07	0.08	0.88	0.06	0.98	0.29	1.46	0.05	1.54	0.07	1.58
0.07	1.24	0.05	1.42	0.09	1.10	0.08	0.81	0.19	0.78	0.07	0.99	0.03	0.95
0.10	1.09	0.04	1.14	0.07	1.09	0.13	0.79	0.19	0.47	0.08	0.44	0.19	0.40

10X

SD(±)

0.15
0.06
0.02
0.10
0.17
0.15
0.09
0.10
0.04
0.18
0.07
0.13
0.13
0.12
0.19
0.03
0.02
0.10
0.22
0.16
0.02
0.95
0.37
0.16
0.10
0.11
0.07
0.08
0.15
0.10
0.06
0.07
0.02
0.09
0.08

0.03
0.14
0.04
0.00
0.09
0.11

Table S3. Correlation between IMPDH enzyme inhibition and activity against wild type versus indazole sulfonamide resistant Mtb strains.

ID	logP	MW	MIC (μ M) MEAN	% enzyme inhibition (@20 μ M)	% enzyme inhibition (@1 μ M)	SR2.1 cross resistance Fold change	MIC rescued by 100 μ M Guanine
DDD00935325	2.708	427	0.24	99.5	87.7	12	Y
DDD01002530	1.566	417	0.24	97.6	78.2	16	Y
DDD00935330	1.751	410	0.3	98.4	75.9	16	Y
DDD01002616	1.566	417	0.3	98.7	85.7	24	Y
DDD01004488	1.878	387	0.3	97.6	86.7	16	Y
DDD00935326	1.416	361	0.45	90.3	74	24	Y
DDD00853835	2.708	427	0.59	99.4	90	16	Y
DDD00935322	1.008	347	0.6	93.4	69.7	24	Y
DDD01004489	2.283	401	0.6	99	84.3	16	Y
DDD01008438	3.389	589	0.6	97.4	90.6	12	Y
DDD00853834	1.008	347	0.69	85.2	56.6	16	Y
DDD00853766	2.621	409	0.9	99.5	84.5	16	Y
DDD00935323	1.235	361	1.37	95.9	65.7	24	Y
DDD01008394	2.493	398	1.56	94.6	57.8	16	Y
DDD01009870	0.891	333	1.56	84.7	41.2	22	Y
DDD00203282	1.472	291	1.77	91.9	57.6	16	Y
DDD00079282	1.472	291	1.93	83.5	33	22	Y
DDD01004513	1.348	377	2.3	96.5	70.5	24	Y
DDD01008388	2.215	421	2.3	94.4	38.4	16	Y
DDD00080629	1.904	292	4.51	81.6	24.6	>8	Y
DDD01005486	1.386	321	4.7	92	38.7	>5.3	Y
DDD01005488	1.881	305	4.7	72	7.8	>4	Y
DDD00203278	1.904	292	4.94	89.5	48	>8	Y
DDD01008258	-0.14	295	7.875	31.8	<1	>4	Y
DDD01011636	1.875	362	9.4	84	34	>8	Y
DDD01002541	1.972	302	10.84	79.3	12.2	>4	Y
DDD01011021	4.058	397	12.5	88	29.3	1	N
DDD01005616	2.102	326	21.79	80	20.7	1	Y
DDD00201218	1.472	291	50	<2	1.4	1	N/A
DDD00853278	1.302	291	50	<2	<1	1	N/A
DDD00853331	2.127	294	50	<2	1	1	N/A
DDD01005617	1.881	305	50	72.5	14	>1	Y
DDD01005619	1.603	291	50	<2	0.6	1	N/A
DDD01011048	0.446	309	50	51.3	13.3	1	N/A
DDD01011589	0.704	292	50	<2	0	1	N/A
DDD01053468	4.532	351	50	<2	1.2	1	N
DDD01053477	3.718	413	50	88.5	38.3	1	N/A

Table S4: Experimental Set-up

Data in table Nr.	Experiment number	Capturing Compound	Compound for competition	Compound Conc.	Material for protein extract preparation
1	X019923	Compound 5			Mycobacterium Bovis BCG
	X019923	Compound 5			Mycobacterium Bovis BCG
	X019923	Compound 5	Compound 6	2.5uM	Mycobacterium Bovis BCG
	X019923	Compound 5	Compound 6	10.0uM	Mycobacterium Bovis BCG
	X019923	Compound 5	Compound 6	40.0uM	Mycobacterium Bovis BCG
	X019923	Compound 5			Mycobacterium Bovis BCG
	X019923	Compound 5			Mycobacterium Bovis BCG
	X019923	Compound 5	Compound 6	2.5uM	Mycobacterium Bovis BCG
	X019923	Compound 5	Compound 6	10.0uM	Mycobacterium Bovis BCG
X019923	Compound 5	Compound 6	40.0uM	Mycobacterium Bovis BCG	
2	X020165	Compound 5	Compound 6	40.0uM	Mycobacterium Bovis BCG
	X020165	Compound 5	Compound 6	10.0uM	Mycobacterium Bovis BCG
	X020165	Compound 5	Compound 6	2.5uM	Mycobacterium Bovis BCG
	X020165	Compound 5	Compound 6	0.625uM	Mycobacterium Bovis BCG
	X020165	Compound 5	Compound 6	0.15625uM	Mycobacterium Bovis BCG
	X020165	Compound 5	Compound 6	0.0uM	Mycobacterium Bovis BCG
3	X020167	Compound 5	Compound 7	40.0uM	Mycobacterium Bovis BCG
	X020167	Compound 5	Compound 7	10.0uM	Mycobacterium Bovis BCG
	X020167	Compound 5	Compound 7	2.5uM	Mycobacterium Bovis BCG
	X020167	Compound 5	Compound 7	0.625uM	Mycobacterium Bovis BCG
	X020167	Compound 5	Compound 7	0.15625uM	Mycobacterium Bovis BCG
	X020167	Compound 5	Compound 7	0.0uM	Mycobacterium Bovis BCG
4	X020168	Compound 4	Compound 6	40.0uM	Mixed HEK293/K-562/Placenta
	X020168	Compound 4	Compound 6	10.0uM	Mixed HEK293/K-562/Placenta
	X020168	Compound 4	Compound 6	2.5uM	Mixed HEK293/K-562/Placenta
	X020168	Compound 4	Compound 6	0.625uM	Mixed HEK293/K-562/Placenta
	X020168	Compound 4	Compound 6	0.15625uM	Mixed HEK293/K-562/Placenta
	X020168	Compound 4	Compound 6	0.0uM	Mixed HEK293/K-562/Placenta
5	X020169	Compound 5	Compound 6	40.0uM	Mixed HEK293/K-562/Placenta
	X020169	Compound 5	Compound 6	10.0uM	Mixed HEK293/K-562/Placenta
	X020169	Compound 5	Compound 6	2.5uM	Mixed HEK293/K-562/Placenta
	X020169	Compound 5	Compound 6	0.625uM	Mixed HEK293/K-562/Placenta
	X020169	Compound 5	Compound 6	0.15625uM	Mixed HEK293/K-562/Placenta

	X020169	Compound 5	Compound 6	0.0uM	Mixed HEK293/K-562/Placenta
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MS/MS data for depletion of proteins by the Compound 5 probe matrix in Mycobacterium Bovis BCG cell extracts, and resulting correction factors for calculation of apparent dissociation constants from IC50 values

Abbreviations: SSM; number of spectrum-to-sequence matches, UPM; unique peptide matches, NA; not available, NBF; nonbound fraction

Experiment ID	Protein Name	Mascot Score	SSM	UPM	SSM used for quantification	Compound conc. on beads 1mM					IC50/KD (app)	first binding to beads
						relative abundance						
						first binding to beads	binding of NBF to fresh beads	compound competition 2.5 uM GSK	compound competition 10 uM GSK	compound competition 40 uM GSK		
X019923	BCG_0003	226	6	6	6	1.00	0.85	0.82	0.92	0.94	1.18	0.75
X019923	BCG_0005	847	36	19	26	1.00	0.92	0.99	1.01	1.07	1.08	0.77
X019923	BCG_0006	1843	67	36	44	1.00	0.92	0.86	0.82	0.95	1.09	0.90
X019923	BCG_0007	557	20	11	17	1.00	0.86	0.86	0.93	1.00	1.16	0.86
X019923	BCG_0008C	166	6	3	4	1.00	0.80	0.75	0.92	0.92	1.24	0.68
X019923	BCG_0009	583	28	7	19	1.00	0.85	0.90	1.06	1.12	1.17	0.60
X019923	BCG_0012	115	7	3	3	1.00	0.96	0.97	1.29	0.92	1.04	0.94
X019923	BCG_0023C	1011	28	18	25	1.00	0.90	0.88	0.84	0.94	1.11	0.55
X019923	BCG_0027C	263	19	5	11	1.00	0.90	0.81	0.93	0.98	1.11	0.79
X019923	BCG_0029C	230	11	6	8	1.00	0.84	0.88	0.97	0.96	1.19	0.80
X019923	BCG_0030C	135	22	4	10	1.00	0.67	0.70	0.73	0.62	1.49	0.64
X019923	BCG_0031	572	21	14	16	1.00	0.91	0.91	1.04	1.11	1.10	0.81
X019923	BCG_0032	626	25	14	20	1.00	0.92	0.99	1.20	1.28	1.08	0.77
X019923	BCG_0034	133	7	2	2	1.00	0.96	0.87	1.27	1.20	1.04	0.81
X019923	BCG_0044C	866	35	17	21	1.00	0.95	0.92	0.98	0.96	1.06	0.99
X019923	BCG_0045C	419	12	7	9	1.00	1.03	0.86	0.97	0.96	0.97	0.90
X019923	BCG_0046C	889	23	18	19	1.00	0.90	0.84	0.94	0.95	1.11	1.20
X019923	BCG_0047C	228	8	5	6	1.00	0.82	0.77	0.90	0.86	1.22	1.06
X019923	BCG_0048C	653	20	13	15	1.00	0.94	0.88	0.99	0.93	1.06	0.84
X019923	BCG_0049C	469	16	9	12	1.00	0.89	0.86	0.97	1.03	1.13	1.02
X019923	BCG_0050C	1005	55	22	39	1.00	0.84	0.77	0.84	0.86	1.18	0.72
X019923	BCG_0053	226	5	3	3	1.00	0.61	0.79	0.95	1.04	1.65	0.73

X019923	BCG_0056	97	6	2	2	1.00	0.90	1.18	1.22	1.09	1.11	0.84
X019923	BCG_0060	75	7	2	2	1.00	0.88	0.92	1.04	0.99	1.13	0.70
X019923	BCG_0068C	66	4	2	2	1.00	0.85	0.99	0.84	1.01	1.17	1.04
X019923	BCG_0069	124	3	3	3	1.00	0.73	0.70	0.81	0.89	1.36	0.78
X019923	BCG_0072	1045	29	20	21	1.00	0.75	0.70	0.89	0.80	1.33	0.78
X019923	BCG_0074C	218	9	5	5	1.00	0.82	0.74	0.72	0.86	1.22	0.72
X019923	BCG_0075C	616	32	14	24	1.00	0.86	0.82	0.85	0.85	1.16	0.76
X019923	BCG_0076C	255	11	5	6	1.00	0.90	0.82	1.14	1.28	1.11	0.66
X019923	BCG_0077C	894	39	15	27	1.00	0.87	0.90	1.02	1.16	1.14	0.78
X019923	BCG_0078C	511	23	9	14	1.00	1.04	0.96	0.99	0.96	0.96	1.19
X019923	BCG_0079C	552	18	12	15	1.00	0.89	0.92	1.00	0.94	1.13	0.86
X019923	BCG_0080	189	4	4	4	1.00	1.13	1.09	1.22	1.44	0.89	1.14
X019923	BCG_0081	578	17	12	14	1.00	1.02	0.85	0.98	0.91	0.98	1.10
X019923	BCG_0082	349	11	7	7	1.00	0.83	0.76	0.93	0.81	1.20	0.97
X019923	BCG_0083	305	8	6	7	1.00	0.90	0.98	1.15	1.18	1.11	1.01
X019923	BCG_0084	492	36	10	21	1.00	0.87	0.82	0.93	0.83	1.14	0.73
X019923	BCG_0085	573	40	8	22	1.00	0.87	0.83	0.97	0.97	1.15	0.73
X019923	BCG_0086	453	39	11	31	1.00	0.87	0.77	0.84	0.86	1.16	0.75
X019923	BCG_0087	588	38	12	29	1.00	0.88	0.84	0.89	0.84	1.14	0.75
X019923	BCG_0089	137	8	4	4	1.00	1.23	1.16	1.09	1.06	0.81	1.04
X019923	BCG_0091	338	10	6	7	1.00	0.90	0.98	1.00	1.21	1.11	0.75
X019923	BCG_0093	322	11	6	7	1.00	0.95	0.82	1.00	0.99	1.06	0.80
X019923	BCG_0095A	143	7	5	5	1.00	1.04	0.88	1.07	1.09	0.97	0.74
X019923	BCG_0096	348	8	6	7	1.00	0.82	0.95	0.98	1.06	1.21	0.67
X019923	BCG_0097C	1081	44	22	28	1.00	0.96	0.95	0.99	0.97	1.04	0.78
X019923	BCG_0098C	131	4	3	4	1.00	0.97	0.94	1.02	1.05	1.04	0.74
X019923	BCG_0099	151	6	4	4	1.00	1.03	0.94	1.29	1.28	0.97	0.69
X019923	BCG_0100C	68	3	2	2	1.00	1.02	0.97	1.35	1.24	0.98	0.95
X019923	BCG_0101C	240	17	5	5	1.00	0.80	0.85	1.11	1.02	1.25	0.88
X019923	BCG_0103	196	7	6	7	1.00	0.91	0.96	1.04	1.15	1.10	0.85
X019923	BCG_0104	89	5	2	2	1.00	0.81	0.57	0.86	0.83	1.23	0.76
X019923	BCG_0105	176	7	4	4	1.00	0.93	0.94	1.06	0.99	1.08	0.70
X019923	BCG_0106	52	4	2	2	1.00	1.08	1.27	1.24	1.22	0.93	0.80
X019923	BCG_0108C	217	5	5	5	1.00	0.81	0.84	0.96	0.87	1.23	0.78
X019923	BCG_0109	150	7	3	3	1.00	0.85	0.84	0.89	1.03	1.18	0.57
X019923	BCG_0110C	156	6	3	3	1.00	0.71	1.08	1.03	1.04	1.40	0.62
X019923	BCG_0112	264	8	5	6	1.00	0.88	0.89	1.09	1.12	1.13	0.80
X019923	BCG_0113	254	4	4	4	1.00	0.96	0.93	1.11	1.03	1.04	0.87
X019923	BCG_0116	62	4	2	2	1.00	0.74	1.01	0.81	0.91	1.35	1.25

X019923	BCG_0121	570	35	11	24	1.00	0.88	0.93	1.21	1.61	1.14	0.58
X019923	BCG_0123	280	10	6	7	1.00	0.80	0.72	0.94	0.83	1.25	0.83
X019923	BCG_0124	368	10	7	7	1.00	0.90	0.89	0.93	1.02	1.12	0.75
X019923	BCG_0125	571	23	14	15	1.00	1.04	0.95	1.04	0.98	0.97	1.12
X019923	BCG_0132	59	3	2	2	1.00	0.72	0.81	1.09	1.13	1.39	0.57
X019923	BCG_0135	102	5	2	2	1.00	1.49	1.12	1.45	1.40	0.67	1.23
X019923	BCG_0136C	347	15	7	7	1.00	1.08	0.96	1.00	1.04	0.93	1.03
X019923	BCG_0140C	987	39	23	24	1.00	0.88	0.77	0.81	0.74	1.13	1.00
X019923	BCG_0141C	97	2	2	2	1.00	0.73	0.74	0.92	0.98	1.38	0.63
X019923	BCG_0144	96	10	3	3	1.00	0.90	0.92	1.42	1.09	1.12	0.90
X019923	BCG_0145	94	5	3	3	1.00	0.82	1.01	1.10	1.04	1.22	1.02
X019923	BCG_0151	171	7	5	6	1.00	0.80	0.92	1.26	1.08	1.26	0.95
X019923	BCG_0152C	184	6	4	4	1.00	0.78	0.84	1.02	0.90	1.27	0.74
X019923	BCG_0153	334	15	7	8	1.00	0.79	0.94	0.96	1.31	1.27	0.77
X019923	BCG_0154C	210	10	4	4	1.00	0.95	0.92	1.00	1.16	1.05	0.85
X019923	BCG_0155C	469	39	10	25	1.00	0.84	0.70	0.85	0.70	1.20	3.58
X019923	BCG_0157	105	5	2	3	1.00	0.84	0.88	1.02	1.09	1.18	0.74
X019923	BCG_0160	786	26	14	18	1.00	0.84	0.89	0.99	0.98	1.19	0.82
X019923	BCG_0161	1033	34	18	26	1.00	0.89	0.91	1.12	1.19	1.12	0.77
X019923	BCG_0162	56	3	2	2	1.00	0.71	0.62	0.70	0.96	1.42	0.75
X019923	BCG_0163C	123	4	4	4	1.00	0.89	1.01	1.02	1.02	1.13	0.75
X019923	BCG_0164	127	3	2	2	1.00	0.95	0.96	0.99	1.19	1.05	0.72
X019923	BCG_0165C	556	19	11	17	1.00	0.77	0.76	0.85	0.85	1.29	0.91
X019923	BCG_0171C	125	4	3	3	1.00	1.06	1.10	1.40	1.43	0.94	1.05
X019923	BCG_0172	333	12	5	5	1.00	0.93	0.80	0.83	0.79	1.08	0.76
X019923	BCG_0173C	358	11	7	8	1.00	0.85	1.15	1.44	1.27	1.18	0.73
X019923	BCG_0174	141	4	3	3	1.00	1.07	1.00	1.14	1.25	0.94	0.91
X019923	BCG_0175	502	18	12	12	1.00	0.84	0.87	1.07	0.99	1.19	0.85
X019923	BCG_0177C	128	3	3	3	1.00	0.77	0.80	0.95	1.18	1.30	0.61
X019923	BCG_0179C	130	5	3	3	1.00	0.86	0.93	0.92	0.81	1.17	0.92
X019923	BCG_0180	246	11	6	6	1.00	0.85	0.95	1.13	1.22	1.17	0.88
X019923	BCG_0182	349	13	6	6	1.00	0.91	1.01	1.08	1.30	1.09	0.76
X019923	BCG_0183	1152	46	16	26	1.00	0.89	0.86	0.99	1.08	1.13	0.84
X019923	BCG_0184	1030	37	15	31	1.00	0.85	0.95	1.06	1.26	1.18	0.69
X019923	BCG_0185	106	5	4	4	1.00	0.86	0.98	0.91	1.12	1.17	0.94
X019923	BCG_0189C	279	10	6	6	1.00	0.86	0.94	1.06	1.29	1.17	0.73
X019923	BCG_0190C	608	20	10	14	1.00	0.85	0.90	1.07	1.17	1.18	0.87
X019923	BCG_0191	950	27	15	21	1.00	0.90	0.89	1.01	1.04	1.11	0.87
X019923	BCG_0193	518	20	10	16	1.00	0.85	0.81	0.87	0.86	1.17	0.89

X019923	BCG_0194	183	8	4	4	1.00	1.04	1.03	1.19	1.30	0.96	0.84
X019923	BCG_0197	554	16	10	11	1.00	0.94	0.94	1.08	1.26	1.07	0.82
X019923	BCG_0199	53	2	2	2	1.00	0.52	0.93	1.21	0.86	1.93	0.75
X019923	BCG_0200	187	12	5	9	1.00	0.84	0.98	1.03	1.06	1.20	0.67
X019923	BCG_0204	125	5	2	2	1.00	0.76	1.02	1.02	0.99	1.32	1.00
X019923	BCG_0205	146	7	3	4	1.00	0.90	0.86	0.84	0.92	1.11	0.82
X019923	BCG_0206	349	12	5	6	1.00	0.79	0.80	0.80	0.82	1.27	0.83
X019923	BCG_0207	593	17	14	15	1.00	0.93	0.76	0.91	0.86	1.07	1.00
X019923	BCG_0208	408	17	9	9	1.00	0.84	0.81	0.88	0.88	1.19	0.87
X019923	BCG_0209	221	10	8	8	1.00	0.88	0.97	0.93	0.97	1.13	0.95
X019923	BCG_0210	673	22	13	16	1.00	0.86	0.87	0.85	0.82	1.17	0.94
X019923	BCG_0211	540	10	8	8	1.00	0.89	0.82	1.00	0.84	1.12	0.92
X019923	BCG_0212	325	8	5	6	1.00	0.97	0.98	1.11	1.18	1.03	0.90
X019923	BCG_0213	276	12	7	7	1.00	0.82	0.86	0.87	0.90	1.21	0.88
X019923	BCG_0214	288	11	6	6	1.00	0.88	0.93	0.97	0.95	1.14	0.97
X019923	BCG_0215	623	16	8	11	1.00	0.85	0.86	0.92	0.90	1.17	0.89
X019923	BCG_0217C	402	13	7	9	1.00	0.86	0.85	0.87	0.93	1.16	0.84
X019923	BCG_0218C	95	3	3	3	1.00	1.03	0.90	0.91	1.16	0.97	1.03
X019923	BCG_0219C	155	7	6	6	1.00	0.56	0.99	1.06	1.25	1.78	1.00
X019923	BCG_0220	625	26	9	15	1.00	0.95	1.04	1.33	1.40	1.05	0.94
X019923	BCG_0221	62	8	2	2	1.00	0.71	0.71	0.97	1.13	1.41	0.82
X019923	BCG_0223	53	4	2	2	1.00	1.01	1.05	1.13	1.24	0.99	0.93
X019923	BCG_0224	255	7	6	7	1.00	0.85	0.94	1.08	1.25	1.17	0.73
X019923	BCG_0226C	873	34	18	23	1.00	0.89	0.93	1.13	1.19	1.12	0.83
X019923	BCG_0227	268	14	5	9	1.00	0.93	0.96	1.16	1.17	1.08	0.69
X019923	BCG_0229	86	3	2	2	1.00	0.87	1.04	1.17	1.07	1.15	0.77
X019923	BCG_0235C	976	35	18	23	1.00	0.93	1.03	1.18	1.34	1.07	0.81
X019923	BCG_0236	140	5	2	2	1.00	1.07	0.94	1.11	1.31	0.93	0.89
X019923	BCG_0237	77	3	2	3	1.00	1.01	0.98	1.31	1.22	0.99	1.01
X019923	BCG_0238C	209	7	5	5	1.00	0.95	0.93	0.93	0.89	1.05	1.02
X019923	BCG_0239C	677	16	10	11	1.00	0.95	0.90	0.83	0.81	1.06	1.09
X019923	BCG_0241C	93	3	3	3	1.00	0.83	0.81	1.08	0.83	1.21	0.93
X019923	BCG_0242	311	6	5	5	1.00	0.71	0.76	0.82	0.71	1.41	0.78
X019923	BCG_0243C	1191	44	23	30	1.00	0.91	0.83	0.87	0.84	1.10	0.94
X019923	BCG_0244C	278	7	5	6	1.00	0.83	0.83	1.06	0.79	1.20	0.84
X019923	BCG_0248	852	29	16	21	1.00	0.93	1.02	1.20	1.37	1.08	0.74
X019923	BCG_0249C	113	5	3	3	1.00	0.83	0.81	1.07	0.87	1.21	0.89
X019923	BCG_0250C	66	4	2	2	1.00	0.76	0.78	0.72	0.99	1.31	1.22
X019923	BCG_0251	223	5	3	3	1.00	0.91	1.05	1.14	1.30	1.10	0.86

X019923	BCG_0252C	565	17	9	12	1.00	0.89	0.90	0.99	1.03	1.12	1.01
X019923	BCG_0253	565	22	11	17	1.00	0.92	1.02	1.19	1.40	1.08	0.80
X019923	BCG_0254C	265	9	6	6	1.00	0.90	0.88	1.04	1.16	1.12	0.94
X019923	BCG_0257	286	11	4	4	1.00	0.65	0.64	0.74	0.78	1.54	0.71
X019923	BCG_0264C	918	29	17	24	1.00	0.91	0.82	0.82	0.81	1.10	0.62
X019923	BCG_0266C	174	5	3	3	1.00	0.94	1.00	1.14	1.14	1.06	0.69
X019923	BCG_0268	584	25	12	17	1.00	0.96	0.93	1.10	1.30	1.04	0.86
X019923	BCG_0271C	705	15	11	11	1.00	0.87	0.89	1.02	1.17	1.15	0.74
X019923	BCG_0273C	320	13	5	5	1.00	0.66	0.65	0.75	0.74	1.52	0.99
X019923	BCG_0275	461	14	8	10	1.00	0.92	0.87	1.01	1.10	1.08	0.84
X019923	BCG_0276	142	5	3	3	1.00	0.88	1.01	1.17	1.34	1.14	0.79
X019923	BCG_0279C	360	10	7	7	1.00	0.95	0.83	0.91	1.15	1.05	0.66
X019923	BCG_0280C	1800	56	26	46	1.00	0.95	0.99	1.07	1.22	1.05	0.83
X019923	BCG_0281	845	43	14	26	1.00	0.89	0.93	1.01	1.14	1.12	0.92
X019923	BCG_0282C	921	24	13	16	1.00	0.93	0.99	1.12	1.24	1.08	0.80
X019923	BCG_0285C	1115	58	21	45	1.00	0.91	0.88	1.02	1.08	1.10	0.89
X019923	BCG_0286C	1856	98	35	68	1.00	0.87	0.89	0.95	1.00	1.15	0.87
X019923	BCG_0287C	283	12	6	6	1.00	0.88	0.87	0.95	0.99	1.13	0.93
X019923	BCG_0288C	283	8	6	6	1.00	0.97	0.91	1.15	1.16	1.03	0.66
X019923	BCG_0289C	556	22	12	14	1.00	0.84	0.85	0.89	0.90	1.19	0.82
X019923	BCG_0292C	66	3	2	2	1.00	0.91	0.96	1.55	1.36	1.10	0.82
X019923	BCG_0298C	618	22	11	16	1.00	0.87	0.90	1.05	1.03	1.15	1.35
X019923	BCG_0300C	215	6	4	4	1.00	0.95	0.91	1.06	0.92	1.05	0.96
X019923	BCG_0303C	170	5	3	3	1.00	0.97	1.05	1.21	1.18	1.03	1.06
X019923	BCG_0304C	244	17	5	5	1.00	0.99	1.02	0.95	1.19	1.01	1.01
X019923	BCG_0307C	143	5	3	3	1.00	0.80	0.88	1.10	0.79	1.25	0.95
X019923	BCG_0308	982	38	17	22	1.00	0.89	0.92	1.09	1.29	1.13	0.85
X019923	BCG_0309C	588	18	11	12	1.00	0.91	1.01	1.05	1.33	1.10	0.86
X019923	BCG_0310C	199	8	7	7	1.00	0.87	0.85	1.14	1.27	1.16	0.68
X019923	BCG_0313C	176	7	5	6	1.00	0.91	0.95	1.04	1.10	1.10	0.84
X019923	BCG_0315A	87	4	2	2	1.00	0.79	0.93	0.90	0.98	1.27	0.57
X019923	BCG_0321	461	11	7	8	1.00	0.89	0.74	1.05	1.03	1.13	0.71
X019923	BCG_0322	187	7	5	5	1.00	1.09	1.17	1.15	1.23	0.91	0.99
X019923	BCG_0323	459	14	11	12	1.00	0.72	0.70	0.93	0.73	1.38	0.81
X019923	BCG_0324	862	28	19	19	1.00	0.70	0.70	0.70	0.61	1.42	0.89
X019923	BCG_0329	102	6	2	2	1.00	0.90	1.09	1.15	1.45	1.11	0.92
X019923	BCG_0330	197	8	5	6	1.00	0.88	0.78	0.93	0.80	1.14	0.98
X019923	BCG_0331	156	8	3	3	1.00	0.84	1.07	0.98	1.13	1.19	0.98
X019923	BCG_0332	459	13	8	10	1.00	0.87	0.86	0.97	0.95	1.15	1.04

X019923	BCG_0333C	141	5	3	3	1.00	0.81	0.82	0.87	0.78	1.23	0.77
X019923	BCG_0335C	79	2	2	2	1.00	0.82	0.78	0.99	1.04	1.21	0.80
X019923	BCG_0336C	297	11	8	8	1.00	0.80	0.96	1.07	1.16	1.25	0.78
X019923	BCG_0340	112	4	2	2	1.00	1.03	0.88	1.10	0.99	0.98	0.85
X019923	BCG_0343	173	6	5	5	1.00	0.87	0.88	1.10	1.18	1.14	0.91
X019923	BCG_0347C	85	3	2	3	1.00	0.81	0.80	0.90	1.00	1.23	0.77
X019923	BCG_0348	137	7	4	6	1.00	0.85	0.90	0.98	0.99	1.17	0.91
X019923	BCG_0350C	119	5	3	4	1.00	0.84	1.08	1.21	1.24	1.19	0.99
X019923	BCG_0351	116	3	3	3	1.00	0.80	0.86	1.37	1.33	1.25	0.67
X019923	BCG_0353	308	10	4	5	1.00	0.81	0.87	1.13	1.17	1.24	0.70
X019923	BCG_0355	159	4	2	2	1.00	0.93	0.86	1.09	1.09	1.08	0.59
X019923	BCG_0356	73	4	3	3	1.00	0.92	1.00	1.11	1.28	1.08	0.69
X019923	BCG_0357C	314	10	7	9	1.00	1.06	1.00	1.12	1.01	0.94	1.05
X019923	BCG_0361	120	4	4	4	1.00	1.04	0.98	1.11	1.11	0.96	0.78
X019923	BCG_0367	101	5	3	4	1.00	0.74	0.81	0.94	1.02	1.36	0.73
X019923	BCG_0370	372	14	7	8	1.00	0.84	0.92	1.21	1.30	1.19	0.66
X019923	BCG_0371	155	7	4	4	1.00	1.10	0.97	1.31	1.40	0.91	1.00
X019923	BCG_0372	139	6	4	5	1.00	0.93	0.98	1.25	1.21	1.07	0.76
X019923	BCG_0373	318	10	7	9	1.00	1.04	0.90	1.23	1.32	0.96	0.87
X019923	BCG_0376C	300	13	7	8	1.00	0.83	0.81	0.95	1.07	1.21	0.73
X019923	BCG_0377C	988	42	19	29	1.00	0.94	0.84	0.82	0.87	1.07	1.06
X019923	BCG_0378C	109	10	3	3	1.00	0.84	1.02	0.77	0.67	1.19	0.71
X019923	BCG_0381	171	11	4	4	1.00	0.92	0.96	1.32	1.37	1.09	1.00
X019923	BCG_0382	279	14	7	7	1.00	0.90	0.81	0.90	0.94	1.12	0.74
X019923	BCG_0385C	219	9	6	7	1.00	0.72	0.77	0.86	0.94	1.40	0.96
X019923	BCG_0386	171	7	3	4	1.00	0.74	1.03	0.91	1.14	1.36	0.80
X019923	BCG_0387	129	5	4	5	1.00	0.89	0.95	1.06	1.12	1.12	0.78
X019923	BCG_0389	2709	219	44	141	1.00	0.90	0.84	0.89	0.87	1.11	0.84
X019923	BCG_0390	506	20	9	15	1.00	0.85	0.77	0.89	0.81	1.18	0.71
X019923	BCG_0391	790	30	14	21	1.00	0.91	0.88	0.98	0.94	1.09	0.90
X019923	BCG_0392	59	3	2	2	1.00	0.64	0.93	1.18	1.05	1.57	1.41
X019923	BCG_0394C	83	8	2	4	1.00	0.76	0.77	1.30	1.20	1.31	0.71
X019923	BCG_0395C	320	15	9	10	1.00	0.93	0.97	1.16	1.19	1.07	0.81
X019923	BCG_0396	346	15	7	8	1.00	0.93	0.90	0.97	0.93	1.07	0.89
X019923	BCG_0398C	180	5	3	5	1.00	0.89	0.98	1.03	1.08	1.12	0.64
X019923	BCG_0399	197	9	5	5	1.00	0.93	0.96	1.02	1.06	1.07	0.95
X019923	BCG_0400	126	6	3	3	1.00	0.99	0.77	0.93	1.22	1.01	1.09
X019923	BCG_0401C	752	37	13	31	1.00	0.90	0.91	1.05	1.16	1.11	0.80
X019923	BCG_0402	152	8	6	8	1.00	0.76	0.84	0.88	0.79	1.32	0.77

X019923	BCG_0403C	600	18	10	12	1.00	0.95	0.89	0.98	1.14	1.05	0.83
X019923	BCG_0417	308	12	4	9	1.00	0.93	0.96	1.12	1.30	1.08	0.72
X019923	BCG_0418C	114	4	3	3	1.00	1.02	0.79	1.17	1.04	0.98	0.76
X019923	BCG_0420C	66	5	2	2	1.00	0.77	0.95	1.12	1.32	1.31	0.93
X019923	BCG_0421C	472	15	11	12	1.00	0.94	0.90	1.01	1.11	1.06	0.88
X019923	BCG_0422C	1760	74	32	45	1.00	0.96	0.90	0.83	1.01	1.04	0.94
X019923	BCG_0424	258	12	6	6	1.00	0.74	0.74	0.67	0.67	1.35	0.97
X019923	BCG_0426	258	12	5	5	1.00	0.94	0.81	1.14	1.26	1.06	0.84
X019923	BCG_0427	96	4	3	3	1.00	0.88	0.94	1.12	1.05	1.14	0.71
X019923	BCG_0428	629	16	13	13	1.00	0.90	0.94	1.13	1.18	1.12	0.83
X019923	BCG_0429C	94	3	2	2	1.00	0.82	0.82	1.07	0.89	1.21	0.76
X019923	BCG_0431C	267	7	5	5	1.00	0.80	1.47	0.95	1.13	1.25	0.63
X019923	BCG_0437C	1156	45	17	37	1.00	0.85	0.79	0.80	0.76	1.18	0.65
X019923	BCG_0442	96	4	2	2	1.00	0.71	0.83	0.91	1.03	1.41	0.70
X019923	BCG_0445C	334	13	5	7	1.00	0.91	1.02	1.28	1.46	1.10	0.65
X019923	BCG_0446	585	15	11	11	1.00	0.84	0.90	1.05	1.18	1.19	0.70
X019923	BCG_0447	869	29	19	22	1.00	0.98	0.87	0.95	0.81	1.02	0.82
X019923	BCG_0449C	502	20	11	11	1.00	0.97	0.90	1.12	1.05	1.03	0.94
X019923	BCG_0450C	280	12	6	7	1.00	0.76	0.85	1.00	1.09	1.32	0.90
X019923	BCG_0451C	538	15	10	10	1.00	0.81	0.86	0.95	1.01	1.24	0.97
X019923	BCG_0452	74	2	2	2	1.00	0.95	0.79	0.95	0.70	1.06	0.88
X019923	BCG_0453C	154	7	4	4	1.00	0.78	0.91	1.03	1.11	1.28	0.84
X019923	BCG_0454	322	10	8	9	1.00	0.91	0.98	1.15	1.09	1.09	0.98
X019923	BCG_0456	155	4	3	3	1.00	1.14	0.98	1.24	1.13	0.87	0.79
X019923	BCG_0457	1081	27	19	22	1.00	0.85	0.78	0.88	0.96	1.17	0.86
X019923	BCG_0458	134	5	3	3	1.00	1.03	0.88	0.71	0.88	0.97	1.04
X019923	BCG_0460C	246	5	4	5	1.00	0.80	0.96	0.99	1.17	1.25	0.67
X019923	BCG_0461C	103	3	2	2	1.00	1.15	1.26	0.98	1.17	0.87	0.95
X019923	BCG_0462C	609	24	13	17	1.00	0.86	0.90	1.04	1.11	1.16	0.78
X019923	BCG_0464C	198	10	4	4	1.00	0.79	0.82	0.85	0.76	1.27	1.08
X019923	BCG_0466C	388	13	9	10	1.00	0.89	0.98	1.46	1.20	1.12	0.79
X019923	BCG_0467C	339	15	7	8	1.00	0.92	1.00	1.11	1.23	1.09	0.73
X019923	BCG_0468C	229	6	3	4	1.00	0.85	0.93	1.01	1.14	1.18	0.66
X019923	BCG_0469	107	5	3	5	1.00	0.96	0.84	0.87	0.93	1.04	0.78
X019923	BCG_0470	172	6	3	4	1.00	0.88	0.93	1.04	0.86	1.14	0.84
X019923	BCG_0471	232	6	2	2	1.00	0.41	0.27	0.38	0.30	2.44	0.34
X019923	BCG_0472	526	16	10	12	1.00	0.89	0.98	1.15	1.26	1.12	0.92
X019923	BCG_0473	144	8	5	5	1.00	0.92	1.10	1.04	1.12	1.09	0.81
X019923	BCG_0474C	666	23	16	17	1.00	0.87	0.87	1.13	1.10	1.15	0.88

X019923	BCG_0475C	58	3	2	2	1.00	1.02	1.02	1.15	1.23	0.98	0.91
X019923	BCG_0476C	342	13	7	8	1.00	0.86	0.88	0.96	1.07	1.16	0.84
X019923	BCG_0477C	130	4	4	4	1.00	0.91	1.00	1.13	1.18	1.10	0.79
X019923	BCG_0478C	280	12	5	6	1.00	0.80	0.82	1.03	1.22	1.24	0.78
X019923	BCG_0479	3273	440	46	292	1.00	0.90	0.85	0.96	1.00	1.11	0.79
X019923	BCG_0480C	57	2	2	2	1.00	0.66	0.77	1.11	0.86	1.51	0.68
X019923	BCG_0482	259	10	6	7	1.00	0.96	1.12	1.39	1.42	1.04	0.78
X019923	BCG_0485C	137	6	4	5	1.00	0.91	0.90	1.01	1.02	1.10	1.16
X019923	BCG_0489C	289	10	8	8	1.00	0.83	0.75	0.82	0.76	1.20	1.11
X019923	BCG_0497C	525	21	12	12	1.00	0.91	1.07	1.16	1.31	1.10	0.77
X019923	BCG_0498	337	10	8	9	1.00	0.95	1.00	1.06	1.12	1.05	0.89
X019923	BCG_0502	1211	57	19	51	1.00	0.88	0.90	1.02	1.16	1.13	0.95
X019923	BCG_0504C	699	41	11	27	1.00	0.91	0.84	1.07	0.95	1.10	0.78
X019923	BCG_0505C	720	29	15	17	1.00	0.93	0.92	1.07	1.09	1.08	0.86
X019923	BCG_0506	415	19	9	13	1.00	0.87	0.93	1.03	1.06	1.15	0.83
X019923	BCG_0507	973	26	15	20	1.00	0.90	0.92	0.98	1.10	1.11	0.80
X019923	BCG_0508	798	30	11	21	1.00	0.90	0.93	1.00	1.12	1.11	0.85
X019923	BCG_0509	803	25	13	20	1.00	0.90	0.93	1.15	1.31	1.12	0.76
X019923	BCG_0510C	923	46	11	21	1.00	0.89	0.84	0.85	0.83	1.12	1.76
X019923	BCG_0513C	454	22	9	13	1.00	0.95	0.77	0.96	1.00	1.05	0.72
X019923	BCG_0514	572	22	12	13	1.00	0.91	0.86	0.97	0.87	1.10	0.99
X019923	BCG_0515	160	4	3	3	1.00	0.89	0.91	1.18	1.04	1.12	0.69
X019923	BCG_0516	945	55	13	26	1.00	0.92	0.92	1.09	1.30	1.08	0.69
X019923	BCG_0519	223	6	5	5	1.00	0.79	0.96	1.12	1.20	1.27	0.69
X019923	BCG_0520C	427	14	7	9	1.00	0.87	0.87	0.92	1.06	1.15	1.07
X019923	BCG_0521C	501	12	9	10	1.00	0.90	0.98	1.06	1.25	1.11	0.81
X019923	BCG_0523	127	4	3	3	1.00	1.17	0.88	1.03	1.23	0.85	0.83
X019923	BCG_0524	212	6	5	5	1.00	0.85	0.86	0.92	1.00	1.18	0.88
X019923	BCG_0525C	442	12	7	7	1.00	0.92	0.83	1.02	1.12	1.09	0.72
X019923	BCG_0526	66	5	3	3	1.00	1.12	0.79	1.19	1.44	0.90	0.90
X019923	BCG_0528	106	2	2	2	1.00	0.85	0.89	1.00	1.06	1.17	0.64
X019923	BCG_0530	729	15	9	11	1.00	0.96	1.04	1.11	1.35	1.04	0.70
X019923	BCG_0531	688	21	15	18	1.00	0.84	0.83	0.99	0.88	1.19	0.89
X019923	BCG_0532	374	12	7	8	1.00	0.79	0.87	0.98	1.22	1.26	0.72
X019923	BCG_0535C	125	7	5	5	1.00	0.83	1.04	0.93	1.32	1.20	0.69
X019923	BCG_0537C	77	4	2	2	1.00	0.80	0.90	0.83	0.75	1.25	0.71
X019923	BCG_0539	437	13	7	9	1.00	0.93	0.84	0.98	1.05	1.07	0.91
X019923	BCG_0540	533	21	8	15	1.00	0.84	0.70	0.78	0.75	1.20	2.20
X019923	BCG_0542	285	13	5	7	1.00	0.85	0.84	0.99	0.90	1.18	0.74

X019923	BCG_0543	158	6	3	4	1.00	0.63	0.82	0.95	1.12	1.58	0.71
X019923	BCG_0544	298	12	7	7	1.00	0.89	0.85	0.94	0.81	1.13	0.77
X019923	BCG_0545	271	11	5	7	1.00	0.89	0.81	0.96	0.94	1.12	0.93
X019923	BCG_0546C	540	20	9	13	1.00	0.82	0.86	1.02	1.11	1.21	0.84
X019923	BCG_0547C	208	9	4	6	1.00	0.94	0.97	1.16	1.39	1.06	0.75
X019923	BCG_0548C	194	6	4	5	1.00	0.85	0.94	1.06	1.21	1.17	0.85
X019923	BCG_0551	134	4	3	3	1.00	1.01	1.01	1.26	1.11	0.99	0.85
X019923	BCG_0552	233	7	5	5	1.00	1.04	1.05	1.17	1.41	0.96	1.25
X019923	BCG_0553	527	12	8	9	1.00	0.86	0.96	1.16	1.22	1.16	0.77
X019923	BCG_0554	1042	35	17	21	1.00	0.91	0.89	1.01	1.13	1.10	0.77
X019923	BCG_0555	485	18	9	12	1.00	0.95	0.99	1.07	1.19	1.05	0.94
X019923	BCG_0556	377	12	8	9	1.00	0.85	0.89	1.06	1.15	1.18	0.83
X019923	BCG_0559C	131	5	3	4	1.00	0.68	0.71	0.87	0.94	1.48	0.83
X019923	BCG_0560	136	5	3	3	1.00	0.97	0.94	1.10	0.89	1.03	0.88
X019923	BCG_0561	67	2	2	2	1.00	0.57	0.61	0.85	0.92	1.74	0.59
X019923	BCG_0566C	312	13	5	10	1.00	0.74	0.77	0.99	1.05	1.35	0.49
X019923	BCG_0567	460	12	8	9	1.00	0.87	0.92	1.11	1.22	1.14	0.85
X019923	BCG_0568	324	10	7	7	1.00	0.97	1.01	1.34	1.43	1.03	0.82
X019923	BCG_0569	351	11	8	9	1.00	0.90	0.92	0.90	1.09	1.12	0.86
X019923	BCG_0570	63	2	2	2	1.00	0.84	0.79	0.98	0.95	1.19	0.94
X019923	BCG_0571	162	6	4	4	1.00	0.92	0.95	1.10	0.90	1.09	1.15
X019923	BCG_0572	128	6	3	5	1.00	0.82	0.87	0.93	0.95	1.22	0.88
X019923	BCG_0573	784	31	14	20	1.00	0.90	0.94	0.94	0.98	1.11	0.88
X019923	BCG_0577C	182	9	3	4	1.00	0.84	0.86	0.92	1.18	1.19	0.86
X019923	BCG_0578C	167	6	4	4	1.00	0.92	1.00	1.11	1.30	1.08	1.06
X019923	BCG_0579	311	11	5	9	1.00	1.21	0.57	0.97	0.74	0.83	3.76
X019923	BCG_0580	86	4	3	3	1.00	0.94	0.94	1.63	1.42	1.07	0.83
X019923	BCG_0581C	254	10	5	5	1.00	0.89	0.88	0.92	0.93	1.12	1.08
X019923	BCG_0582	255	15	5	6	1.00	0.80	0.70	0.77	0.76	1.25	0.93
X019923	BCG_0583	198	7	4	5	1.00	0.74	0.78	1.14	1.02	1.35	0.98
X019923	BCG_0586C	195	5	4	4	1.00	0.99	1.18	1.18	1.08	1.01	0.92
X019923	BCG_0587C	135	7	4	5	1.00	0.82	0.78	0.93	0.93	1.22	0.52
X019923	BCG_0590C	222	11	5	5	1.00	0.86	0.94	1.06	1.21	1.16	0.66
X019923	BCG_0591C	484	9	8	8	1.00	0.72	0.85	1.07	1.24	1.39	0.75
X019923	BCG_0592C	815	25	15	22	1.00	0.92	0.91	1.07	1.15	1.09	0.81
X019923	BCG_0596C	103	7	2	2	1.00	0.80	0.90	0.93	1.21	1.25	0.79
X019923	BCG_0598	97	4	2	2	1.00	0.71	0.72	1.01	1.01	1.40	0.63
X019923	BCG_0599	226	8	4	4	1.00	0.83	1.01	1.10	1.26	1.20	0.85
X019923	BCG_0600	547	16	11	12	1.00	0.87	0.95	0.96	1.07	1.15	0.81

X019923	BCG_0601	65	3	2	3	1.00	0.91	0.95	0.96	0.92	1.10	1.01
X019923	BCG_0602	67	3	2	2	1.00	0.77	0.88	0.82	0.86	1.30	0.68
X019923	BCG_0603	395	9	6	7	1.00	0.90	0.92	1.21	1.31	1.11	0.78
X019923	BCG_0606C	121	7	2	2	1.00	0.98	0.63	0.75	0.82	1.02	0.81
X019923	BCG_0607	428	15	8	10	1.00	1.04	1.04	1.18	1.32	0.96	1.01
X019923	BCG_0608	175	5	3	3	1.00	1.00	1.01	1.11	1.18	1.00	1.05
X019923	BCG_0609C	563	13	10	11	1.00	0.84	0.88	1.05	1.12	1.19	1.03
X019923	BCG_0610C	112	8	4	4	1.00	1.05	0.90	1.16	1.06	0.96	0.87
X019923	BCG_0611C	705	23	10	14	1.00	0.93	0.97	1.05	1.17	1.07	0.61
X019923	BCG_0612	333	9	9	9	1.00	0.91	0.85	0.92	0.84	1.10	0.88
X019923	BCG_0613	708	21	14	16	1.00	0.91	1.03	1.01	1.05	1.10	0.79
X019923	BCG_0614	226	6	5	5	1.00	0.88	0.91	1.04	1.14	1.14	0.61
X019923	BCG_0616C	136	6	4	4	1.00	0.93	1.00	1.16	1.34	1.08	0.86
X019923	BCG_0621	398	11	9	10	1.00	0.88	0.95	1.23	1.35	1.14	0.73
X019923	BCG_0622	371	24	4	17	1.00	0.52	0.54	0.53	0.59	1.92	1.09
X019923	BCG_0625C	568	28	11	19	1.00	0.90	0.88	1.10	1.19	1.11	0.84
X019923	BCG_0628C	153	6	3	3	1.00	0.33	0.40	0.46	0.60	3.05	0.29
X019923	BCG_0630C	104	6	2	2	1.00	0.68	0.71	0.78	0.84	1.47	0.85
X019923	BCG_0644C	96	4	2	2	1.00	0.93	1.05	1.19	1.11	1.07	0.68
X019923	BCG_0645C	177	3	3	3	1.00	0.98	1.01	1.08	1.12	1.02	0.74
X019923	BCG_0650	93	4	2	2	1.00	0.81	0.86	1.01	1.06	1.24	0.96
X019923	BCG_0660C	871	28	21	22	1.00	0.91	0.89	0.82	0.86	1.10	1.01
X019923	BCG_0664	56	3	2	2	1.00	1.12	1.12	1.26	1.57	0.89	1.05
X019923	BCG_0666	39	3	2	2	1.00	1.22	0.78	1.46	1.11	0.82	1.64
X019923	BCG_0671C	103	2	2	2	1.00	0.81	0.89	1.10	0.95	1.23	0.90
X019923	BCG_0679C	98	4	3	3	1.00	1.12	0.87	1.22	1.11	0.89	0.90
X019923	BCG_0680C	581	24	14	18	1.00	0.92	0.83	0.92	0.82	1.09	0.92
X019923	BCG_0681C	189	13	4	12	1.00	0.84	0.79	0.96	0.79	1.19	1.44
X019923	BCG_0682	116	3	2	3	1.00	0.84	0.91	1.08	1.26	1.19	0.74
X019923	BCG_0683	201	20	6	11	1.00	0.86	0.85	0.91	0.85	1.16	0.65
X019923	BCG_0684	266	12	4	10	1.00	0.86	0.91	1.06	1.31	1.16	0.74
X019923	BCG_0685	460	18	8	14	1.00	0.88	0.97	1.11	1.32	1.14	0.69
X019923	BCG_0686	279	16	5	12	1.00	0.86	1.07	1.07	1.24	1.17	0.79
X019923	BCG_0687	135	9	5	7	1.00	0.78	0.88	0.87	0.93	1.28	0.85
X019923	BCG_0688	495	16	9	13	1.00	0.98	0.96	1.16	1.39	1.02	0.72
X019923	BCG_0689	607	47	12	37	1.00	0.92	0.84	0.94	0.85	1.08	0.81
X019923	BCG_0690	1140	92	18	63	1.00	0.87	0.79	0.91	0.77	1.15	0.79
X019923	BCG_0691C	663	22	9	15	1.00	0.88	0.87	1.12	1.24	1.14	0.81
X019923	BCG_0692C	357	8	7	7	1.00	0.81	0.82	0.97	0.86	1.23	0.86

X019923	BCG_0693C	439	13	9	9	1.00	1.00	1.10	1.14	1.32	1.00	0.78
X019923	BCG_0694C	148	4	4	4	1.00	0.93	0.92	1.33	1.19	1.07	0.87
X019923	BCG_0695C	608	21	12	18	1.00	0.90	0.96	1.03	1.00	1.12	0.67
X019923	BCG_0696C	982	31	20	25	1.00	0.90	0.86	1.02	1.28	1.11	0.81
X019923	BCG_0700	921	67	16	46	1.00	0.85	0.81	0.89	0.76	1.17	0.76
X019923	BCG_0701	633	62	10	43	1.00	0.84	0.73	0.82	0.76	1.19	0.72
X019923	BCG_0704	971	77	17	46	1.00	0.83	0.82	0.87	1.01	1.20	4.92
X019923	BCG_0712	764	27	14	16	1.00	0.93	0.85	0.93	0.86	1.08	0.84
X019923	BCG_0716	3879	212	66	141	1.00	0.77	0.73	0.70	0.64	1.30	0.90
X019923	BCG_0717	5910	289	102	220	1.00	0.76	0.72	0.70	0.66	1.31	0.90
X019923	BCG_0719	291	11	6	8	1.00	0.80	0.90	1.25	1.17	1.25	0.72
X019923	BCG_0721	419	19	10	11	1.00	0.94	0.91	1.05	0.98	1.06	0.89
X019923	BCG_0722	72	3	2	2	1.00	0.86	0.92	1.03	0.86	1.16	0.69
X019923	BCG_0724	407	17	8	11	1.00	0.87	0.84	1.00	0.94	1.15	0.76
X019923	BCG_0725C	585	20	9	10	1.00	0.98	0.79	0.89	0.74	1.02	1.05
X019923	BCG_0726C	382	14	5	12	1.00	0.93	0.87	0.93	1.04	1.08	0.85
X019923	BCG_0727	317	10	7	8	1.00	0.96	0.96	1.27	1.36	1.04	0.80
X019923	BCG_0730	115	4	3	4	1.00	0.88	0.72	1.03	1.08	1.14	0.96
X019923	BCG_0731	277	31	6	16	1.00	0.90	0.84	0.99	0.92	1.12	0.67
X019923	BCG_0732	947	88	16	48	1.00	0.95	0.87	0.96	0.88	1.05	0.83
X019923	BCG_0733	1707	72	30	50	1.00	0.93	0.94	1.06	1.15	1.07	0.81
X019923	BCG_0734	1595	129	21	82	1.00	0.89	0.92	1.12	1.30	1.13	0.71
X019923	BCG_0735	462	9	8	8	1.00	0.90	0.86	0.96	0.88	1.11	0.92
X019923	BCG_0736	139	7	3	4	1.00	0.84	0.86	1.19	1.05	1.19	0.74
X019923	BCG_0737	438	18	6	9	1.00	0.97	0.91	1.07	1.28	1.03	0.67
X019923	BCG_0739C	182	5	4	4	1.00	0.81	0.88	0.97	0.94	1.23	0.71
X019923	BCG_0743	386	14	6	8	1.00	0.76	0.71	1.01	0.89	1.31	0.80
X019923	BCG_0750	646	50	12	35	1.00	0.86	0.82	0.87	0.84	1.16	0.72
X019923	BCG_0751	1006	74	15	57	1.00	0.95	0.87	0.99	0.88	1.05	0.81
X019923	BCG_0752	770	41	16	31	1.00	0.88	0.82	0.88	0.82	1.14	0.80
X019923	BCG_0753	478	45	8	23	1.00	0.93	0.78	0.88	0.79	1.08	0.74
X019923	BCG_0754	785	48	14	33	1.00	0.80	0.79	0.95	0.81	1.25	0.83
X019923	BCG_0755	377	27	8	23	1.00	0.86	0.84	0.88	0.79	1.16	0.70
X019923	BCG_0756	410	26	8	18	1.00	0.93	0.97	1.13	1.05	1.08	0.77
X019923	BCG_0757	1707	126	32	82	1.00	1.01	0.97	1.01	0.98	0.99	0.79
X019923	BCG_0758	411	26	5	10	1.00	0.96	0.97	1.15	1.13	1.04	0.75
X019923	BCG_0759	693	29	14	23	1.00	0.94	0.86	1.04	0.77	1.06	0.72
X019923	BCG_0760	744	55	13	47	1.00	0.90	0.87	0.98	0.85	1.11	0.81
X019923	BCG_0762	514	14	9	11	1.00	0.78	0.74	0.83	0.93	1.28	0.97

X019923	BCG_0763	220	6	4	4	1.00	1.06	0.86	1.02	1.00	0.94	0.91
X019923	BCG_0764	744	48	15	37	1.00	0.86	0.84	0.90	0.79	1.17	0.76
X019923	BCG_0765	410	46	9	32	1.00	0.88	0.81	0.88	0.78	1.14	0.74
X019923	BCG_0766	892	62	17	47	1.00	0.90	0.83	0.92	0.84	1.11	0.83
X019923	BCG_0768	542	47	10	25	1.00	0.88	0.86	0.90	0.83	1.14	0.78
X019923	BCG_0769	772	47	13	36	1.00	0.87	0.77	0.80	0.77	1.14	0.75
X019923	BCG_0770	505	39	9	21	1.00	0.87	0.79	0.88	0.76	1.15	0.78
X019923	BCG_0771	1146	57	20	45	1.00	1.07	0.85	0.77	1.03	0.94	0.57
X019923	BCG_0772	289	12	6	10	1.00	0.81	0.80	0.85	0.81	1.23	0.72
X019923	BCG_0773	683	51	12	34	1.00	0.87	0.78	0.91	0.84	1.15	0.78
X019923	BCG_0774	749	36	15	15	1.00	0.94	0.89	0.97	1.05	1.06	0.84
X019923	BCG_0776C	158	7	4	4	1.00	0.75	0.89	1.08	1.27	1.34	0.73
X019923	BCG_0780	634	18	10	15	1.00	0.95	0.97	1.18	1.29	1.05	0.81
X019923	BCG_0781C	580	17	12	14	1.00	0.89	0.93	1.13	1.30	1.12	0.71
X019923	BCG_0782	436	26	9	15	1.00	0.84	0.77	0.83	0.87	1.19	0.87
X019923	BCG_0783	997	39	17	31	1.00	0.85	0.92	1.05	1.13	1.18	0.59
X019923	BCG_0784	227	7	5	6	1.00	1.08	1.18	1.32	1.26	0.93	0.86
X019923	BCG_0786	52	2	2	2	1.00	0.99	0.77	0.84	0.98	1.01	0.83
X019923	BCG_0788	240	6	4	5	1.00	0.75	0.77	0.95	0.90	1.34	0.75
X019923	BCG_0803C	541	22	11	13	1.00	0.91	0.94	1.03	0.94	1.10	1.13
X019923	BCG_0804C	882	26	15	22	1.00	0.89	0.92	1.03	1.15	1.13	0.86
X019923	BCG_0808C	151	5	4	4	1.00	1.09	1.08	1.58	1.60	0.91	0.77
X019923	BCG_0809	614	17	9	11	1.00	0.84	0.83	0.98	1.12	1.19	0.76
X019923	BCG_0810	507	13	8	8	1.00	0.95	1.07	1.11	0.97	1.05	1.01
X019923	BCG_0811C	222	6	5	6	1.00	0.96	0.85	1.02	0.81	1.05	1.37
X019923	BCG_0812C	247	12	5	11	1.00	0.96	0.99	1.18	1.24	1.04	0.66
X019923	BCG_0813C	934	43	12	28	1.00	0.89	1.00	1.15	1.32	1.12	0.88
X019923	BCG_0821	100	3	2	2	1.00	0.71	0.99	1.28	1.09	1.41	0.83
X019923	BCG_0822	240	9	4	5	1.00	0.92	0.87	1.36	1.28	1.09	0.80
X019923	BCG_0823	174	5	3	3	1.00	0.89	0.93	1.07	1.22	1.13	0.69
X019923	BCG_0824	1324	39	18	28	1.00	0.86	0.90	0.83	0.73	1.16	0.72
X019923	BCG_0825C	260	13	6	7	1.00	0.79	0.99	1.13	1.14	1.26	0.90
X019923	BCG_0829	729	26	14	16	1.00	0.88	0.89	1.04	1.07	1.13	0.82
X019923	BCG_0830	82	6	3	3	1.00	1.06	1.05	0.87	0.97	0.95	1.19
X019923	BCG_0831C	137	7	4	4	1.00	0.90	0.88	0.89	1.01	1.11	0.95
X019923	BCG_0832	607	18	14	17	1.00	0.86	0.92	1.19	1.25	1.16	0.77
X019923	BCG_0833	456	19	10	10	1.00	0.91	0.98	1.02	1.18	1.09	0.80
X019923	BCG_0835	372	18	8	11	1.00	0.91	0.82	0.91	1.06	1.09	0.77
X019923	BCG_0840	170	5	3	5	1.00	0.87	0.79	1.01	1.10	1.14	0.58

X019923	BCG_0841	412	14	9	12	1.00	0.86	0.87	1.02	1.22	1.17	0.74
X019923	BCG_0844C	254	9	5	5	1.00	1.11	1.03	1.31	1.18	0.90	0.92
X019923	BCG_0845C	89	4	2	2	1.00	1.10	1.08	1.44	1.06	0.91	0.92
X019923	BCG_0850C	922	30	13	20	1.00	0.84	0.71	0.80	0.65	1.19	0.83
X019923	BCG_0851C	307	12	7	7	1.00	0.81	0.71	0.79	0.77	1.23	0.88
X019923	BCG_0852	442	18	10	12	1.00	0.94	0.80	0.95	0.92	1.06	0.88
X019923	BCG_0853	395	15	9	12	1.00	0.74	0.74	0.93	1.00	1.35	0.47
X019923	BCG_0854C	283	12	6	7	1.00	0.90	0.95	0.98	1.14	1.11	0.87
X019923	BCG_0855	775	28	18	21	1.00	0.91	0.92	1.13	1.18	1.10	0.81
X019923	BCG_0856	126	3	2	2	1.00	0.85	0.74	0.83	0.79	1.18	0.76
X019923	BCG_0858C	268	11	9	9	1.00	0.90	0.95	1.31	1.17	1.11	0.90
X019923	BCG_0860	337	9	6	7	1.00	0.97	0.84	1.10	1.04	1.03	0.95
X019923	BCG_0861	707	24	12	16	1.00	0.93	1.00	1.11	1.20	1.07	0.89
X019923	BCG_0862C	92	2	2	2	1.00	0.94	0.99	1.01	0.94	1.06	0.42
X019923	BCG_0863C	190	6	4	4	1.00	1.03	1.18	1.78	1.26	0.97	0.99
X019923	BCG_0864	156	7	4	4	1.00	0.94	0.81	1.14	1.12	1.06	0.73
X019923	BCG_0865C	154	6	4	4	1.00	0.92	0.94	1.21	1.27	1.08	0.80
X019923	BCG_0866C	480	14	5	9	1.00	0.95	0.90	1.04	1.07	1.06	0.60
X019923	BCG_0869C	437	12	9	10	1.00	0.81	0.79	1.02	0.85	1.23	0.90
X019923	BCG_0870	490	21	10	12	1.00	0.86	0.89	1.03	1.26	1.16	0.83
X019923	BCG_0871	259	10	5	5	1.00	0.98	1.01	1.26	1.47	1.02	0.75
X019923	BCG_0874C	274	8	5	5	1.00	0.91	0.88	1.01	1.31	1.10	0.62
X019923	BCG_0876C	184	4	3	3	1.00	0.70	0.99	1.04	0.93	1.43	0.92
X019923	BCG_0877C	970	45	18	34	1.00	0.88	0.95	1.10	1.32	1.14	0.78
X019923	BCG_0878C	271	14	6	8	1.00	0.93	0.87	1.19	1.13	1.07	0.97
X019923	BCG_0883	347	10	8	10	1.00	0.85	0.94	1.06	1.25	1.17	0.76
X019923	BCG_0884C	691	46	13	31	1.00	0.87	0.95	1.11	1.22	1.15	0.69
X019923	BCG_0891	204	7	4	4	1.00	0.74	0.89	1.02	1.12	1.36	0.79
X019923	BCG_0896C	281	14	6	8	1.00	1.01	0.99	1.37	1.33	0.99	0.82
X019923	BCG_0897	424	15	6	7	1.00	0.87	0.77	0.93	0.83	1.15	0.83
X019923	BCG_0905C	529	16	10	13	1.00	0.97	0.95	1.15	1.23	1.03	0.82
X019923	BCG_0910C	138	8	3	3	1.00	0.82	0.92	1.16	1.18	1.21	0.71
X019923	BCG_0911	637	15	11	15	1.00	0.99	0.92	1.08	1.13	1.01	0.94
X019923	BCG_0912	1251	46	27	35	1.00	0.98	1.02	1.07	1.04	1.02	1.06
X019923	BCG_0913C	178	7	4	4	1.00	0.94	0.99	0.82	0.72	1.07	0.83
X019923	BCG_0914C	193	6	5	5	1.00	0.93	0.95	0.82	0.79	1.07	0.84
X019923	BCG_0923	464	26	10	15	1.00	0.86	0.81	0.89	0.85	1.16	0.74
X019923	BCG_0925	1581	47	29	37	1.00	0.92	0.89	0.96	0.98	1.09	0.91
X019923	BCG_0927C	65	2	2	2	1.00	0.99	0.86	1.05	1.31	1.01	0.99

X019923	BCG_0928C	142	8	3	3	1.00	0.84	0.97	0.97	1.04	1.19	0.81
X019923	BCG_0929	139	5	2	2	1.00	0.89	0.70	1.20	0.86	1.12	0.93
X019923	BCG_0932	227	11	5	6	1.00	0.89	1.08	1.16	1.42	1.12	0.72
X019923	BCG_0933	65	6	2	2	1.00	1.44	1.08	1.49	1.24	0.70	0.96
X019923	BCG_0936C	383	12	7	9	1.00	0.85	0.86	1.02	1.12	1.18	0.65
X019923	BCG_0941C	404	13	9	11	1.00	0.90	0.94	1.15	1.28	1.11	0.84
X019923	BCG_0942C	268	11	6	6	1.00	0.90	0.72	0.80	0.81	1.11	1.03
X019923	BCG_0944	294	16	8	8	1.00	1.01	0.90	1.14	1.00	0.99	0.92
X019923	BCG_0945C	90	3	3	3	1.00	1.00	1.09	1.14	1.52	1.00	0.98
X019923	BCG_0948	911	44	16	29	1.00	0.93	0.91	1.03	1.11	1.08	0.92
X019923	BCG_0949C	67	3	2	2	1.00	1.05	1.15	1.10	1.01	0.95	1.17
X019923	BCG_0950C	92	3	3	3	1.00	0.84	0.84	1.12	0.84	1.18	0.63
X019923	BCG_0951	185	7	3	3	1.00	0.84	0.89	1.15	1.06	1.19	0.84
X019923	BCG_0953	111	2	2	2	1.00	1.01	0.95	1.16	1.34	0.99	0.92
X019923	BCG_0954C	409	11	9	9	1.00	0.88	0.87	1.02	1.11	1.14	0.91
X019923	BCG_0955C	625	16	9	13	1.00	0.87	0.95	1.15	1.22	1.15	0.68
X019923	BCG_0956C	418	18	10	10	1.00	0.92	0.99	1.15	1.18	1.09	0.98
X019923	BCG_0957	824	30	14	21	1.00	0.86	0.85	1.03	1.15	1.17	0.89
X019923	BCG_0958	128	6	4	4	1.00	0.89	1.06	1.43	1.45	1.13	0.94
X019923	BCG_0960	348	12	5	5	1.00	1.03	0.87	1.05	1.14	0.97	1.11
X019923	BCG_0962	179	5	4	4	1.00	0.98	0.86	1.05	1.23	1.02	0.95
X019923	BCG_0963	208	7	5	6	1.00	0.58	0.64	0.55	0.53	1.72	0.65
X019923	BCG_0966C	92	5	2	2	1.00	0.76	0.72	0.74	0.79	1.31	0.78
X019923	BCG_0973	196	7	4	5	1.00	0.91	0.85	0.96	0.89	1.10	0.83
X019923	BCG_0975C	419	15	9	10	1.00	0.91	0.89	1.11	1.09	1.10	0.86
X019923	BCG_0976C	64	3	2	2	1.00	0.92	0.87	0.99	1.00	1.08	1.15
X019923	BCG_0977C	388	18	7	9	1.00	0.82	0.94	0.98	1.15	1.21	0.77
X019923	BCG_0978C	567	11	9	9	1.00	0.92	1.01	1.08	1.26	1.09	0.76
X019923	BCG_0979C	384	15	8	11	1.00	0.86	0.92	1.12	1.25	1.17	0.74
X019923	BCG_0980	553	18	10	15	1.00	0.88	1.01	1.10	1.22	1.13	0.91
X019923	BCG_0983C	54	2	2	2	1.00	0.71	0.79	0.73	0.81	1.41	0.63
X019923	BCG_0984C	434	18	8	11	1.00	0.94	0.93	1.19	1.25	1.06	0.76
X019923	BCG_0985C	329	12	6	7	1.00	0.90	0.98	1.03	1.16	1.12	0.81
X019923	BCG_0988	224	5	4	4	1.00	0.88	0.84	0.92	1.06	1.14	0.81
X019923	BCG_0991C	365	13	7	8	1.00	0.86	0.79	1.04	0.82	1.16	0.81
X019923	BCG_0992	294	12	7	7	1.00	0.97	0.83	0.96	1.04	1.03	0.97
X019923	BCG_0993	101	6	2	2	1.00	0.88	1.02	0.98	0.97	1.14	0.91
X019923	BCG_0994C	234	9	4	5	1.00	0.85	1.04	1.08	1.27	1.17	0.84
X019923	BCG_0995C	154	5	5	5	1.00	0.88	0.74	1.08	1.15	1.13	0.71

X019923	BCG_0999	296	11	8	10	1.00	0.98	0.80	0.90	0.95	1.02	0.81
X019923	BCG_1000C	414	12	9	9	1.00	0.91	1.01	1.12	1.19	1.10	0.73
X019923	BCG_1003	455	18	11	12	1.00	0.73	0.79	0.91	0.74	1.38	0.72
X019923	BCG_1005	1118	50	20	37	1.00	0.89	0.95	1.13	1.29	1.12	0.71
X019923	BCG_1006	633	22	12	19	1.00	0.93	1.01	1.23	1.31	1.07	0.70
X019923	BCG_1010	227	5	4	4	1.00	0.91	0.94	1.17	1.22	1.10	0.64
X019923	BCG_1011	426	19	7	9	1.00	0.86	1.06	1.18	1.40	1.17	0.93
X019923	BCG_1012	597	18	13	13	1.00	0.81	0.90	1.01	1.01	1.23	0.80
X019923	BCG_1013	242	11	6	6	1.00	0.92	1.02	0.97	0.91	1.09	0.82
X019923	BCG_1021	106	4	2	3	1.00	0.89	0.89	0.98	1.11	1.13	0.69
X019923	BCG_1022	277	13	5	8	1.00	0.89	0.95	1.13	1.17	1.13	0.69
X019923	BCG_1023	1184	42	25	29	1.00	0.86	0.80	0.84	0.76	1.16	0.84
X019923	BCG_1025C	100	4	2	3	1.00	0.98	1.16	1.23	1.55	1.02	0.97
X019923	BCG_1026C	109	5	3	3	1.00	0.76	0.78	0.70	0.92	1.32	0.63
X019923	BCG_1027C	549	13	11	12	1.00	0.87	0.79	1.01	0.79	1.15	0.88
X019923	BCG_1028C	237	20	6	6	1.00	0.99	0.89	0.75	0.84	1.01	0.89
X019923	BCG_1034	133	15	3	8	1.00	0.55	0.59	0.65	0.67	1.81	0.60
X019923	BCG_1036	170	8	3	4	1.00	0.91	0.92	1.00	1.07	1.10	0.72
X019923	BCG_1037	247	13	5	5	1.00	0.83	0.89	0.98	1.07	1.20	0.92
X019923	BCG_1038	501	15	10	12	1.00	0.84	0.74	0.95	0.98	1.19	0.71
X019923	BCG_1039	535	13	8	11	1.00	0.88	0.98	1.14	1.27	1.13	0.77
X019923	BCG_1040C	169	5	3	3	1.00	0.79	0.86	0.81	0.96	1.26	0.84
X019923	BCG_1041	51	3	2	2	1.00	0.73	0.95	0.93	0.79	1.36	0.91
X019923	BCG_1042	137	14	2	2	1.00	0.90	0.88	0.82	0.82	1.11	1.15
X019923	BCG_1043	98	4	2	2	1.00	0.83	0.92	0.84	1.02	1.21	1.02
X019923	BCG_1044C	163	8	5	7	1.00	0.84	0.91	1.01	1.20	1.19	0.79
X019923	BCG_1046C	203	10	5	7	1.00	0.94	0.99	1.05	1.22	1.06	0.68
X019923	BCG_1047C	93	5	2	2	1.00	1.03	0.87	1.32	0.92	0.97	0.79
X019923	BCG_1048	188	7	4	4	1.00	0.92	0.94	1.08	1.39	1.08	0.94
X019923	BCG_1049	638	20	11	14	1.00	0.92	0.97	1.02	1.10	1.08	0.82
X019923	BCG_1050	432	20	10	16	1.00	0.90	0.91	0.99	1.06	1.11	0.98
X019923	BCG_1053	137	6	3	3	1.00	0.89	0.67	0.89	0.75	1.13	0.56
X019923	BCG_1058	670	15	12	13	1.00	0.90	0.91	1.04	1.19	1.11	0.83
X019923	BCG_1059C	107	3	3	3	1.00	0.77	0.73	0.79	0.69	1.29	0.75
X019923	BCG_1060	296	10	8	8	1.00	1.02	0.92	0.93	1.05	0.98	0.84
X019923	BCG_1063	575	17	11	12	1.00	0.91	0.87	0.95	1.05	1.10	0.97
X019923	BCG_1064C	702	17	14	15	1.00	0.83	0.93	1.19	1.34	1.20	0.74
X019923	BCG_1065	472	18	9	11	1.00	0.91	1.03	1.26	1.22	1.10	0.77
X019923	BCG_1067	509	21	10	12	1.00	0.98	0.81	0.84	1.06	1.02	0.74

X019923	BCG_1068	92	4	3	3	1.00	0.99	0.97	1.15	1.18	1.01	1.00
X019923	BCG_1070	181	7	5	5	1.00	0.77	1.06	1.18	1.23	1.30	0.82
X019923	BCG_1071C	194	6	4	4	1.00	1.02	1.02	1.07	1.17	0.98	0.67
X019923	BCG_1072C	272	16	6	12	1.00	0.85	0.89	0.89	0.84	1.18	0.84
X019923	BCG_1074C	978	44	18	30	1.00	0.97	0.94	1.06	1.25	1.03	0.85
X019923	BCG_1075C	395	13	10	11	1.00	0.94	0.85	0.95	1.04	1.07	0.76
X019923	BCG_1077	607	25	13	14	1.00	0.75	0.84	0.81	0.75	1.34	1.02
X019923	BCG_1079	198	7	6	6	1.00	0.90	0.89	1.02	1.03	1.11	0.90
X019923	BCG_1080	1080	39	18	27	1.00	0.88	0.82	0.87	0.84	1.13	0.78
X019923	BCG_1081	127	9	4	4	1.00	0.86	0.73	0.74	1.01	1.16	0.65
X019923	BCG_1082	67	3	3	3	1.00	0.95	1.11	1.14	1.41	1.05	0.93
X019923	BCG_1083	381	9	6	6	1.00	0.75	0.90	1.02	1.07	1.33	0.70
X019923	BCG_1085C	73	4	2	2	1.00	0.87	0.72	0.74	0.48	1.15	0.96
X019923	BCG_1108	200	13	4	4	1.00	0.95	0.90	1.02	0.97	1.05	0.91
X019923	BCG_1114	406	16	10	10	1.00	0.95	0.96	1.23	1.32	1.06	0.86
X019923	BCG_1116	366	15	7	8	1.00	1.22	1.08	1.37	1.34	0.82	1.08
X019923	BCG_1117	274	9	6	6	1.00	0.50	0.58	0.67	0.82	2.00	0.52
X019923	BCG_1118	320	13	7	9	1.00	0.84	0.88	1.12	1.27	1.19	0.67
X019923	BCG_1119	132	2	2	2	1.00	0.78	0.85	0.80	1.11	1.28	0.68
X019923	BCG_1121C	229	10	5	6	1.00	1.11	0.89	1.25	1.05	0.90	0.93
X019923	BCG_1127C	180	7	4	5	1.00	0.69	0.75	0.88	0.99	1.44	0.93
X019923	BCG_1128C	431	20	7	14	1.00	0.89	0.88	1.06	1.11	1.13	1.03
X019923	BCG_1129C	527	16	11	14	1.00	0.87	0.93	1.12	1.20	1.14	0.71
X019923	BCG_1130	70	4	2	2	1.00	0.85	0.77	0.93	0.92	1.17	0.88
X019923	BCG_1132C	821	35	15	26	1.00	0.92	0.99	1.19	1.34	1.09	0.77
X019923	BCG_1135	746	16	10	13	1.00	0.86	0.76	0.86	1.00	1.17	0.86
X019923	BCG_1136	407	29	7	22	1.00	0.88	0.93	1.03	1.06	1.13	0.93
X019923	BCG_1137	482	16	8	11	1.00	0.89	0.85	1.10	1.12	1.13	0.79
X019923	BCG_1138C	444	15	7	10	1.00	0.87	0.80	1.09	1.05	1.15	0.54
X019923	BCG_1140	649	29	12	17	1.00	0.85	0.84	0.94	0.94	1.18	0.81
X019923	BCG_1142	197	13	5	5	1.00	0.86	0.81	0.98	1.03	1.16	0.88
X019923	BCG_1152C	185	9	5	6	1.00	1.13	1.09	1.27	1.49	0.89	1.02
X019923	BCG_1153	1104	53	18	38	1.00	0.90	0.94	1.11	1.24	1.11	0.78
X019923	BCG_1154	887	34	15	24	1.00	0.90	0.95	1.15	1.33	1.11	0.79
X019923	BCG_1155	166	8	6	6	1.00	0.94	0.86	0.91	0.96	1.06	0.99
X019923	BCG_1156	179	10	4	4	1.00	1.01	1.32	1.33	1.32	0.99	0.93
X019923	BCG_1157C	166	6	3	4	1.00	0.96	1.02	1.06	1.21	1.04	1.11
X019923	BCG_1158C	1273	54	24	38	1.00	0.89	0.92	1.00	1.11	1.13	0.79
X019923	BCG_1159C	730	27	14	20	1.00	0.90	0.91	1.00	1.10	1.12	0.81

X019923	BCG_1160	99	5	3	3	1.00	0.91	0.71	1.13	1.06	1.10	0.80
X019923	BCG_1166C	149	8	2	2	1.00	0.89	0.95	1.13	1.28	1.12	0.94
X019923	BCG_1168C	650	15	11	11	1.00	0.85	0.87	0.86	0.88	1.17	0.85
X019923	BCG_1169C	303	11	5	9	1.00	0.88	0.95	0.95	1.09	1.14	0.75
X019923	BCG_1170	154	6	4	4	1.00	0.74	0.80	0.95	1.10	1.36	0.65
X019923	BCG_1171C	125	8	5	6	1.00	0.98	0.95	1.04	0.90	1.02	0.91
X019923	BCG_1172	338	10	7	7	1.00	0.96	0.96	1.33	1.43	1.05	0.79
X019923	BCG_1173	80	2	2	2	1.00	0.83	1.26	1.20	1.24	1.21	0.69
X019923	BCG_1179C	337	17	9	11	1.00	0.89	0.78	0.93	0.98	1.12	0.65
X019923	BCG_1182	540	19	10	11	1.00	0.92	0.93	1.09	1.16	1.08	0.91
X019923	BCG_1183	571	27	12	17	1.00	0.88	0.92	1.05	1.16	1.14	0.74
X019923	BCG_1185	201	8	5	7	1.00	0.85	0.86	1.04	1.13	1.18	0.84
X019923	BCG_1186	246	16	5	5	1.00	0.88	0.83	1.05	0.97	1.13	0.71
X019923	BCG_1187C	104	4	2	2	1.00	0.93	1.00	1.16	0.95	1.07	0.66
X019923	BCG_1188C	137	16	2	2	1.00	1.22	0.87	1.01	1.49	0.82	1.02
X019923	BCG_1193	194	8	4	5	1.00	0.81	0.89	0.93	0.78	1.23	0.91
X019923	BCG_1194C	2373	111	40	82	1.00	0.89	1.03	1.19	1.28	1.12	0.71
X019923	BCG_1201C	65	2	2	2	1.00	0.66	0.69	0.85	0.76	1.52	0.70
X019923	BCG_1202	127	5	2	2	1.00	0.76	0.79	0.93	0.84	1.32	0.99
X019923	BCG_1203C	380	9	6	7	1.00	0.88	0.90	1.09	1.03	1.13	2.47
X019923	BCG_1204C	224	4	4	4	1.00	0.92	0.93	0.90	1.03	1.09	1.67
X019923	BCG_1205	198	7	3	3	1.00	0.87	1.02	1.27	1.38	1.15	0.90
X019923	BCG_1206	381	10	7	8	1.00	0.97	0.97	1.25	1.29	1.04	0.80
X019923	BCG_1207	149	13	3	3	1.00	0.94	0.65	3.16	0.83	1.07	0.74
X019923	BCG_1209C	127	7	3	3	1.00	0.85	0.82	1.12	0.95	1.17	1.05
X019923	BCG_1212C	213	4	4	4	1.00	0.79	0.88	1.12	1.15	1.27	0.74
X019923	BCG_1213	193	6	4	4	1.00	0.76	0.82	1.12	1.08	1.32	0.70
X019923	BCG_1217	110	8	4	4	1.00	0.83	0.97	0.90	1.25	1.20	0.54
X019923	BCG_1221C	389	18	6	10	1.00	0.90	0.79	0.82	0.72	1.11	0.61
X019923	BCG_1222	130	3	3	3	1.00	0.78	0.85	1.07	0.99	1.28	0.67
X019923	BCG_1227	204	9	5	5	1.00	0.85	0.74	1.00	1.19	1.18	0.89
X019923	BCG_1228	307	8	6	6	1.00	0.72	0.74	1.12	0.80	1.39	0.70
X019923	BCG_1233	306	7	5	5	1.00	0.92	0.84	0.96	1.11	1.09	0.71
X019923	BCG_1241	410	12	7	10	1.00	0.97	1.08	1.21	1.40	1.03	0.91
X019923	BCG_1243	858	31	17	17	1.00	0.85	0.75	0.79	0.76	1.18	0.97
X019923	BCG_1247C	104	3	3	3	1.00	1.02	0.94	1.22	1.14	0.98	0.82
X019923	BCG_1251	74	4	2	2	1.00	1.01	1.08	0.94	0.70	0.99	0.86
X019923	BCG_1252	614	20	12	17	1.00	0.92	0.86	1.01	1.04	1.09	0.77
X019923	BCG_1253	359	12	7	8	1.00	0.84	0.86	1.05	1.17	1.19	0.80

X019923	BCG_1260	57	2	2	2	1.00	0.59	0.66	0.71	0.79	1.69	0.75
X019923	BCG_1261C	506	18	8	12	1.00	0.92	0.91	1.09	1.22	1.09	0.72
X019923	BCG_1262	455	15	11	12	1.00	0.89	0.99	1.19	1.27	1.13	0.84
X019923	BCG_1264C	42	3	2	2	1.00	0.91	0.74	0.91	0.98	1.10	0.75
X019923	BCG_1266	767	25	14	17	1.00	0.91	0.87	0.96	0.96	1.10	0.83
X019923	BCG_1267	57	4	2	2	1.00	0.84	0.95	1.14	1.67	1.19	0.76
X019923	BCG_1269	151	6	3	3	1.00	0.93	0.79	0.92	0.92	1.07	0.91
X019923	BCG_1273	111	6	3	3	1.00	0.84	0.98	1.14	1.41	1.20	0.67
X019923	BCG_1275C	605	27	10	10	1.00	0.86	0.90	0.96	1.04	1.16	0.82
X019923	BCG_1276C	186	6	4	5	1.00	0.92	0.85	0.96	0.97	1.09	1.04
X019923	BCG_1277C	324	8	5	6	1.00	0.80	0.81	0.87	0.85	1.25	0.96
X019923	BCG_1278C	659	24	14	18	1.00	0.89	0.86	0.99	0.96	1.12	0.94
X019923	BCG_1280C	99	11	2	4	1.00	0.91	0.85	1.02	1.06	1.09	0.86
X019923	BCG_1283	1575	42	25	34	1.00	0.89	0.80	0.83	0.81	1.12	0.82
X019923	BCG_1284	34	2	2	2	1.00	1.29	1.38	1.83	1.62	0.77	1.39
X019923	BCG_1289C	549	20	12	14	1.00	0.83	0.83	0.90	0.86	1.21	0.79
X019923	BCG_1291C	152	7	4	5	1.00	0.91	0.91	1.07	0.97	1.10	0.93
X019923	BCG_1294	365	12	6	8	1.00	0.90	0.86	0.99	0.86	1.12	0.99
X019923	BCG_1295	332	13	7	8	1.00	0.91	0.96	1.15	1.30	1.09	1.10
X019923	BCG_1296	103	3	2	2	1.00	0.65	0.43	0.56	0.63	1.53	0.63
X019923	BCG_1298	448	14	10	11	1.00	0.80	0.91	1.10	1.24	1.24	0.78
X019923	BCG_1299C	232	12	5	6	1.00	0.88	0.93	1.03	0.98	1.14	1.12
X019923	BCG_1300	1148	45	16	30	1.00	0.86	0.95	1.12	1.27	1.17	0.66
X019923	BCG_1301	129	10	2	2	1.00	0.85	1.12	1.16	1.29	1.18	0.87
X019923	BCG_1302	90	3	2	2	1.00	0.86	0.85	0.87	1.10	1.17	0.68
X019923	BCG_1304	188	5	4	4	1.00	1.20	1.02	1.30	1.27	0.83	1.40
X019923	BCG_1305C	660	21	11	16	1.00	0.93	0.95	1.12	1.28	1.07	0.82
X019923	BCG_1307C	190	4	4	4	1.00	0.84	0.78	0.87	0.99	1.20	0.65
X019923	BCG_1308C	2468	102	50	75	1.00	0.77	0.77	0.75	0.72	1.30	0.94
X019923	BCG_1309C	64	4	2	2	1.00	0.81	0.51	0.63	0.67	1.23	0.67
X019923	BCG_1311C	314	19	7	7	1.00	0.73	0.67	0.70	0.63	1.37	0.79
X019923	BCG_1312C	90	3	2	3	1.00	0.97	0.83	1.20	1.22	1.03	0.73
X019923	BCG_1313	698	33	15	17	1.00	0.83	0.89	0.95	0.93	1.21	0.78
X019923	BCG_1314	68	4	2	2	1.00	0.90	0.65	0.81	0.89	1.12	0.97
X019923	BCG_1317	210	8	4	4	1.00	0.88	0.91	1.01	1.15	1.13	0.91
X019923	BCG_1318	342	12	7	8	1.00	0.95	0.83	0.93	0.88	1.05	0.90
X019923	BCG_1320C	364	9	7	7	1.00	0.91	0.82	0.99	1.17	1.10	0.81
X019923	BCG_1321C	171	5	3	5	1.00	0.69	0.77	0.89	0.95	1.44	0.74
X019923	BCG_1322	593	21	13	16	1.00	0.84	0.93	0.99	1.01	1.18	0.90

X019923	BCG_1323	214	6	4	4	1.00	0.75	1.07	1.17	1.19	1.33	0.77
X019923	BCG_1324	262	10	5	7	1.00	0.81	0.83	0.88	0.84	1.23	0.83
X019923	BCG_1325C	210	9	5	5	1.00	0.86	0.84	0.94	0.97	1.16	0.89
X019923	BCG_1326C	577	17	13	15	1.00	0.89	0.92	1.06	1.18	1.12	0.80
X019923	BCG_1328C	186	4	4	4	1.00	0.92	0.80	0.98	0.94	1.09	0.84
X019923	BCG_1329C	440	9	6	7	1.00	0.88	0.91	1.03	1.20	1.14	0.83
X019923	BCG_1331C	66	2	2	2	1.00	0.78	0.82	1.58	0.83	1.29	0.72
X019923	BCG_1333	156	8	4	7	1.00	0.86	0.79	0.87	0.84	1.16	0.89
X019923	BCG_1334	619	30	11	25	1.00	0.93	0.90	1.02	0.97	1.07	1.06
X019923	BCG_1335C	186	5	4	4	1.00	0.88	0.95	0.90	1.13	1.13	0.84
X019923	BCG_1336	210	6	5	5	1.00	0.94	0.91	1.11	1.02	1.06	1.04
X019923	BCG_1337	379	12	7	7	1.00	0.91	0.74	0.78	0.67	1.09	1.00
X019923	BCG_1338	594	21	13	14	1.00	0.91	0.88	1.01	1.04	1.10	0.79
X019923	BCG_1339C	374	13	8	8	1.00	0.91	0.96	1.01	1.08	1.10	0.91
X019923	BCG_1340C	793	30	15	19	1.00	1.06	0.89	0.97	2.96	0.94	1.01
X019923	BCG_1342C	257	7	4	5	1.00	0.84	0.72	0.83	0.83	1.19	0.74
X019923	BCG_1343	287	13	6	6	1.00	0.88	0.93	1.13	1.22	1.14	0.73
X019923	BCG_1344	178	6	4	4	1.00	0.94	0.87	1.15	1.19	1.06	0.91
X019923	BCG_1345	196	9	6	6	1.00	0.87	0.86	0.81	0.94	1.14	0.86
X019923	BCG_1346	138	5	3	3	1.00	0.80	0.83	0.96	0.95	1.25	0.54
X019923	BCG_1348	67	3	2	2	1.00	0.82	0.95	1.03	1.20	1.21	1.00
X019923	BCG_1349C	213	8	7	7	1.00	0.93	0.95	1.03	1.05	1.07	0.98
X019923	BCG_1352	771	24	15	16	1.00	0.84	0.92	1.12	1.14	1.19	0.71
X019923	BCG_1353	611	14	10	12	1.00	0.85	0.90	1.14	1.23	1.18	0.82
X019923	BCG_1354	724	24	13	19	1.00	0.91	0.84	0.93	0.87	1.10	0.83
X019923	BCG_1355	558	19	9	12	1.00	0.96	1.01	1.18	1.37	1.04	0.76
X019923	BCG_1356	177	8	3	3	1.00	0.46	0.59	0.56	0.65	2.18	0.33
X019923	BCG_1357	1961	84	36	67	1.00	0.97	0.93	0.95	0.80	1.04	0.71
X019923	BCG_1358	127	8	3	5	1.00	0.96	1.00	1.03	0.81	1.04	0.74
X019923	BCG_1359	400	13	8	9	1.00	0.89	0.94	1.19	1.30	1.12	0.69
X019923	BCG_1361	100	3	3	3	1.00	0.89	0.93	1.09	1.16	1.13	0.74
X019923	BCG_1363	111	8	2	2	1.00	0.84	0.97	1.01	1.04	1.19	0.85
X019923	BCG_1364	137	9	3	7	1.00	0.85	0.77	0.76	0.86	1.18	0.88
X019923	BCG_1366	489	24	11	18	1.00	0.83	0.78	0.89	0.85	1.21	0.88
X019923	BCG_1367	1463	54	23	37	1.00	0.87	0.82	0.86	0.81	1.15	0.87
X019923	BCG_1368	1822	103	34	77	1.00	0.87	0.87	0.93	0.95	1.15	0.84
X019923	BCG_1369	952	38	15	27	1.00	0.93	0.85	0.96	1.05	1.08	0.94
X019923	BCG_1370	1397	65	22	50	1.00	0.90	0.88	0.98	1.03	1.11	0.80
X019923	BCG_1371	263	11	5	7	1.00	0.85	0.79	0.86	0.94	1.18	0.73

X019923	BCG_1372	75	4	2	2	1.00	1.06	1.02	1.34	1.32	0.94	0.86
X019923	BCG_1375C	106	5	2	3	1.00	1.05	0.91	0.70	0.81	0.96	0.77
X019923	BCG_1376	503	12	9	10	1.00	0.91	0.89	1.01	1.03	1.10	0.95
X019923	BCG_1377C	117	2	2	2	1.00	0.73	0.94	1.05	1.22	1.37	0.70
X019923	BCG_1378C	50	5	2	2	1.00	0.69	0.92	0.74	0.99	1.44	0.56
X019923	BCG_1379C	286	11	3	3	1.00	0.76	0.80	0.81	0.84	1.31	1.10
X019923	BCG_1380C	217	9	6	6	1.00	0.90	0.84	0.88	0.99	1.11	0.95
X019923	BCG_1381C	238	11	4	5	1.00	0.85	0.82	0.85	0.81	1.18	0.84
X019923	BCG_1384C	202	8	5	6	1.00	0.95	1.04	1.22	1.23	1.05	0.78
X019923	BCG_1385	986	32	15	20	1.00	0.91	0.90	1.06	1.20	1.10	0.81
X019923	BCG_1386	545	14	9	12	1.00	0.94	1.00	1.19	1.40	1.07	0.83
X019923	BCG_1388C	618	18	13	14	1.00	0.86	0.89	1.04	1.15	1.16	0.96
X019923	BCG_1389C	1303	51	22	34	1.00	0.91	0.82	0.84	0.89	1.10	2.91
X019923	BCG_1390	1241	43	27	34	1.00	0.86	0.83	0.76	0.90	1.16	0.90
X019923	BCG_1392C	116	5	4	4	1.00	0.82	0.97	0.98	1.23	1.22	0.88
X019923	BCG_1393	52	2	2	2	1.00	0.92	0.61	0.76	0.92	1.08	0.81
X019923	BCG_1395	223	8	5	6	1.00	0.87	0.90	0.94	0.98	1.15	0.78
X019923	BCG_1396	139	5	2	3	1.00	0.98	0.85	0.78	1.24	1.02	0.81
X019923	BCG_1398	234	8	4	4	1.00	0.90	1.00	1.12	1.19	1.12	0.85
X019923	BCG_1399	108	6	3	4	1.00	0.87	0.86	0.93	0.85	1.15	0.93
X019923	BCG_1400	140	4	3	3	1.00	0.81	0.72	0.75	1.08	1.23	0.71
X019923	BCG_1401	330	8	6	7	1.00	0.90	0.97	1.11	1.24	1.11	0.89
X019923	BCG_1402	204	8	3	5	1.00	0.99	0.98	1.17	1.32	1.01	0.90
X019923	BCG_1403	119	6	4	4	1.00	0.89	1.03	1.20	1.27	1.12	0.80
X019923	BCG_1407	64	5	2	2	1.00	0.99	0.58	0.73	1.09	1.01	0.90
X019923	BCG_1412	229	8	4	4	1.00	0.94	1.16	1.16	1.27	1.07	0.85
X019923	BCG_1422	163	4	4	4	1.00	0.82	1.24	1.00	1.08	1.22	0.98
X019923	BCG_1425C	549	19	11	15	1.00	0.91	0.90	1.01	1.07	1.10	0.88
X019923	BCG_1426C	209	10	5	5	1.00	0.92	1.03	0.88	1.05	1.09	0.84
X019923	BCG_1429C	562	21	12	17	1.00	0.86	0.79	0.97	0.92	1.16	1.18
X019923	BCG_1430	231	4	3	3	1.00	0.85	0.82	0.98	1.04	1.18	0.83
X019923	BCG_1438C	187	8	4	4	1.00	0.56	0.56	0.71	0.76	1.78	0.43
X019923	BCG_1440	331	12	7	10	1.00	0.81	0.99	1.06	1.18	1.23	0.71
X019923	BCG_1441	411	16	9	11	1.00	0.92	0.93	1.04	0.96	1.09	0.91
X019923	BCG_1442	241	9	4	5	1.00	1.09	1.00	1.04	1.17	0.92	1.07
X019923	BCG_1443	101	4	3	3	1.00	0.86	0.93	1.28	1.12	1.17	1.04
X019923	BCG_1444	511	11	8	10	1.00	0.95	0.84	0.93	0.97	1.06	0.92
X019923	BCG_1445	1051	39	23	25	1.00	0.85	0.77	0.82	0.78	1.18	0.99
X019923	BCG_1446	120	3	2	2	1.00	0.82	0.92	1.13	1.25	1.22	0.70

X019923	BCG_1449	636	65	11	51	1.00	0.95	1.02	1.09	1.24	1.05	0.51
X019923	BCG_1451	128	4	2	4	1.00	0.86	0.71	0.86	0.86	1.16	0.65
X019923	BCG_1452	604	17	10	11	1.00	0.92	0.86	0.87	0.84	1.09	0.96
X019923	BCG_1453	897	43	17	28	1.00	0.88	0.92	0.99	1.04	1.14	0.83
X019923	BCG_1458C	149	4	3	3	1.00	0.83	0.83	1.02	0.98	1.20	0.81
X019923	BCG_1461C	402	11	8	8	1.00	0.88	0.97	1.15	1.28	1.14	0.80
X019923	BCG_1463	377	20	8	9	1.00	0.91	0.99	1.00	0.85	1.10	0.88
X019923	BCG_1465	362	13	6	7	1.00	0.88	0.93	1.09	1.27	1.14	0.71
X019923	BCG_1467	150	5	3	3	1.00	0.92	0.87	0.94	1.55	1.09	0.70
X019923	BCG_1468	223	8	7	7	1.00	0.84	0.82	0.97	1.09	1.19	0.79
X019923	BCG_1470	993	25	16	18	1.00	0.93	0.90	0.99	1.16	1.08	0.92
X019923	BCG_1471C	251	8	5	6	1.00	0.91	0.80	0.94	1.01	1.10	0.99
X019923	BCG_1472C	475	16	9	15	1.00	0.88	0.88	0.97	1.18	1.14	0.83
X019923	BCG_1473	499	11	8	10	1.00	0.85	0.83	1.10	1.20	1.17	0.72
X019923	BCG_1476	321	15	7	7	1.00	0.85	0.96	1.19	1.24	1.18	0.81
X019923	BCG_1477	213	6	4	4	1.00	0.79	1.03	1.19	1.24	1.26	0.82
X019923	BCG_1478	150	4	3	4	1.00	0.79	1.08	1.34	1.41	1.27	1.19
X019923	BCG_1481	186	14	5	5	1.00	0.94	1.01	1.07	1.22	1.06	0.78
X019923	BCG_1482	464	19	8	9	1.00	0.95	0.93	0.97	1.14	1.06	0.92
X019923	BCG_1483	317	8	6	7	1.00	0.81	0.93	1.05	1.13	1.24	0.83
X019923	BCG_1484	628	16	12	12	1.00	0.93	0.85	0.94	1.21	1.07	0.77
X019923	BCG_1485C	83	3	2	2	1.00	0.83	0.75	0.98	1.08	1.20	0.86
X019923	BCG_1486	83	4	2	2	1.00	0.88	1.16	1.10	1.13	1.14	0.94
X019923	BCG_1488C	427	15	7	9	1.00	0.83	0.93	1.10	1.18	1.21	0.70
X019923	BCG_1490	215	9	7	7	1.00	0.87	0.80	0.89	0.97	1.15	0.88
X019923	BCG_1497	936	34	15	28	1.00	0.91	0.95	1.11	1.30	1.10	0.78
X019923	BCG_1498	730	18	10	12	1.00	0.85	1.00	1.13	1.32	1.17	0.68
X019923	BCG_1499	690	18	12	16	1.00	0.91	0.93	1.12	1.26	1.10	0.71
X019923	BCG_1503	98	8	3	3	1.00	0.82	0.93	1.06	1.13	1.22	0.65
X019923	BCG_1504C	292	14	7	9	1.00	0.80	0.77	0.96	0.91	1.24	0.83
X019923	BCG_1506C	515	12	8	9	1.00	0.90	0.92	1.11	1.26	1.11	0.70
X019923	BCG_1507C	662	25	12	16	1.00	0.88	0.89	0.99	1.11	1.14	0.85
X019923	BCG_1508C	529	19	11	11	1.00	0.95	1.04	1.23	1.32	1.06	0.86
X019923	BCG_1509C	1060	38	22	34	1.00	0.89	0.93	1.10	1.27	1.12	0.69
X019923	BCG_1510C	1367	58	22	39	1.00	0.91	0.94	1.06	1.16	1.10	0.75
X019923	BCG_1515C	661	22	12	17	1.00	1.01	1.02	1.22	1.39	0.99	0.86
X019923	BCG_1516	175	7	4	4	1.00	1.17	1.21	1.16	1.29	0.86	1.23
X019923	BCG_1517C	107	4	2	3	1.00	1.13	1.02	1.11	1.04	0.89	0.95
X019923	BCG_1519C	165	8	5	5	1.00	1.05	0.92	1.18	1.11	0.95	0.90

X019923	BCG_1520C	129	7	3	3	1.00	0.83	0.57	1.09	1.49	1.21	0.47
X019923	BCG_1522	1023	37	21	29	1.00	0.90	0.81	0.92	0.94	1.12	1.25
X019923	BCG_1523	621	20	12	14	1.00	0.85	0.88	1.00	1.14	1.17	0.84
X019923	BCG_1524	759	35	13	24	1.00	0.77	0.84	0.93	0.97	1.30	0.79
X019923	BCG_1525	1095	34	17	27	1.00	0.89	0.96	1.20	1.23	1.13	0.82
X019923	BCG_1526	278	5	4	5	1.00	0.91	0.94	1.12	1.20	1.09	0.63
X019923	BCG_1527	147	4	3	3	1.00	0.97	0.84	1.02	1.06	1.03	0.71
X019923	BCG_1528C	152	8	3	3	1.00	1.08	1.04	1.05	1.46	0.92	0.93
X019923	BCG_1532	155	6	3	4	1.00	0.70	0.93	0.72	0.74	1.42	0.48
X019923	BCG_1533	284	9	6	8	1.00	0.80	0.90	1.84	0.96	1.25	0.75
X019923	BCG_1534	110	6	3	3	1.00	0.73	1.04	1.11	1.29	1.37	0.78
X019923	BCG_1535	90	3	2	2	1.00	0.77	0.83	0.76	0.79	1.30	0.62
X019923	BCG_1537C	1624	69	29	50	1.00	0.83	0.86	0.89	1.04	1.20	0.85
X019923	BCG_1538	170	6	3	4	1.00	0.85	0.90	1.07	1.03	1.18	1.07
X019923	BCG_1541	1297	60	20	40	1.00	0.87	0.87	0.97	1.03	1.15	0.80
X019923	BCG_1542	625	26	12	17	1.00	0.89	0.89	1.01	1.09	1.13	0.79
X019923	BCG_1543	520	21	10	14	1.00	0.94	0.90	1.06	1.12	1.07	1.03
X019923	BCG_1545	621	24	10	16	1.00	0.92	0.96	1.08	1.27	1.09	0.79
X019923	BCG_1546	802	68	12	48	1.00	0.84	0.85	0.70	0.82	1.19	0.64
X019923	BCG_1547	102	5	3	3	1.00	0.65	0.89	0.94	0.87	1.55	0.71
X019923	BCG_1548C	130	6	3	3	1.00	0.70	0.66	0.94	0.70	1.43	0.58
X019923	BCG_1549	84	2	2	2	1.00	0.96	1.02	0.97	0.90	1.04	0.77
X019923	BCG_1550	1263	69	19	44	1.00	0.82	0.76	0.86	0.75	1.23	1.05
X019923	BCG_1551	146	8	4	6	1.00	0.85	0.83	1.01	0.97	1.18	0.71
X019923	BCG_1555	1008	22	17	18	1.00	0.86	0.91	1.02	1.18	1.17	0.85
X019923	BCG_1556	666	19	10	11	1.00	0.96	0.99	1.14	1.17	1.04	0.90
X019923	BCG_1559	289	14	5	5	1.00	0.85	0.89	1.13	1.21	1.17	0.93
X019923	BCG_1560	300	14	6	7	1.00	0.84	0.90	1.04	0.96	1.18	0.75
X019923	BCG_1561C	100	3	2	2	1.00	1.09	1.06	1.19	1.39	0.91	0.75
X019923	BCG_1564	124	7	3	3	1.00	1.02	1.05	1.37	1.24	0.98	1.07
X019923	BCG_1565	140	4	3	3	1.00	0.83	0.96	1.07	1.11	1.20	0.81
X019923	BCG_1573	221	11	5	5	1.00	0.92	1.00	1.21	1.23	1.09	0.81
X019923	BCG_1575	130	8	4	4	1.00	0.94	0.88	1.02	1.24	1.06	0.75
X019923	BCG_1576	76	7	2	2	1.00	1.18	1.07	1.18	1.24	0.85	1.08
X019923	BCG_1577	87	3	2	2	1.00	0.80	0.92	1.20	1.02	1.25	0.75
X019923	BCG_1578C	53	3	2	2	1.00	0.87	0.71	0.89	0.91	1.14	0.86
X019923	BCG_1579C	2170	65	37	39	1.00	0.79	0.71	0.72	0.66	1.27	1.00
X019923	BCG_1583	230	5	4	5	1.00	1.06	0.97	1.26	1.42	0.94	0.89
X019923	BCG_1585	292	6	5	5	1.00	0.97	0.84	0.98	1.24	1.03	0.70

X019923	BCG_1586	68	3	2	2	1.00	0.94	0.93	1.12	0.88	1.06	0.66
X019923	BCG_1588	516	25	11	12	1.00	0.84	0.92	1.04	1.00	1.19	0.95
X019923	BCG_1590C	493	15	8	8	1.00	0.80	0.85	0.99	1.16	1.25	0.69
X019923	BCG_1592	294	12	6	7	1.00	0.92	0.83	0.85	0.93	1.08	0.78
X019923	BCG_1595	1108	40	18	29	1.00	0.82	0.78	0.90	0.94	1.22	0.95
X019923	BCG_1599	328	10	4	5	1.00	0.85	0.89	1.00	1.10	1.18	0.75
X019923	BCG_1600	776	32	18	18	1.00	0.83	0.87	0.88	0.90	1.20	1.01
X019923	BCG_1602	153	7	3	3	1.00	0.97	1.21	1.30	1.49	1.03	0.89
X019923	BCG_1603	247	13	5	5	1.00	0.93	1.09	1.21	1.13	1.07	0.96
X019923	BCG_1607	128	5	4	4	1.00	0.90	0.94	1.11	1.27	1.11	0.73
X019923	BCG_1610	441	14	8	12	1.00	0.89	0.90	1.07	1.14	1.12	0.65
X019923	BCG_1611	273	7	7	7	1.00	0.91	0.87	0.96	1.18	1.10	0.77
X019923	BCG_1613	100	4	3	3	1.00	0.96	0.98	1.21	1.27	1.05	0.83
X019923	BCG_1617C	113	6	2	2	1.00	0.92	1.02	1.05	1.13	1.09	0.77
X019923	BCG_1618C	202	8	3	3	1.00	0.92	0.85	0.68	0.83	1.09	0.90
X019923	BCG_1621	96	3	2	2	1.00	1.10	1.15	1.20	1.42	0.91	0.95
X019923	BCG_1622	171	22	5	5	1.00	1.06	1.23	1.12	1.13	0.94	0.71
X019923	BCG_1623	150	5	2	2	1.00	0.86	1.08	0.92	1.16	1.16	0.80
X019923	BCG_1624	131	7	4	4	1.00	1.07	1.04	1.21	0.87	0.93	0.86
X019923	BCG_1627	93	4	2	2	1.00	0.88	1.04	1.18	1.16	1.14	0.69
X019923	BCG_1629	209	3	3	3	1.00	1.03	0.92	1.18	1.37	0.97	0.98
X019923	BCG_1631C	232	6	5	5	1.00	1.08	1.18	1.22	1.32	0.92	0.78
X019923	BCG_1632	283	12	5	8	1.00	0.97	1.00	2.07	1.26	1.03	0.86
X019923	BCG_1633	215	9	6	6	1.00	0.82	0.86	0.94	1.02	1.22	0.78
X019923	BCG_1634	346	12	8	9	1.00	0.93	0.99	1.40	1.25	1.07	0.75
X019923	BCG_1635	222	9	6	6	1.00	0.80	0.94	0.91	0.96	1.25	0.71
X019923	BCG_1636C	398	18	7	13	1.00	0.88	0.88	1.04	1.08	1.14	0.75
X019923	BCG_1637	318	8	7	7	1.00	0.91	0.87	1.03	1.07	1.10	0.77
X019923	BCG_1638	257	8	6	6	1.00	0.93	0.89	1.07	1.16	1.07	0.71
X019923	BCG_1639	187	8	4	5	1.00	0.85	0.76	0.79	0.81	1.17	0.76
X019923	BCG_1640	187	9	4	5	1.00	0.57	0.55	0.58	0.80	1.75	0.58
X019923	BCG_1641	750	17	12	13	1.00	0.93	0.94	1.10	1.27	1.07	0.72
X019923	BCG_1643	429	17	8	9	1.00	0.76	0.83	1.06	1.00	1.31	0.70
X019923	BCG_1644	110	4	2	3	1.00	0.91	0.87	1.02	1.01	1.10	0.63
X019923	BCG_1645	112	3	2	3	1.00	0.97	0.94	1.07	1.03	1.04	1.17
X019923	BCG_1646C	235	12	7	9	1.00	0.86	0.90	1.04	1.09	1.17	0.66
X019923	BCG_1647	438	18	10	14	1.00	0.93	1.01	1.09	1.26	1.08	0.93
X019923	BCG_1649	834	26	14	21	1.00	0.90	0.90	1.07	1.16	1.11	0.72
X019923	BCG_1650	591	19	12	14	1.00	1.00	0.99	1.51	1.43	1.00	1.07

X019923	BCG_1651	614	12	10	10	1.00	0.92	0.97	1.06	1.25	1.09	0.79
X019923	BCG_1652	578	18	12	14	1.00	0.87	0.78	0.87	0.81	1.15	0.88
X019923	BCG_1653	91	6	3	4	1.00	1.00	0.94	1.28	1.11	1.00	3.65
X019923	BCG_1655	958	49	18	28	1.00	0.92	0.96	1.42	1.16	1.08	0.90
X019923	BCG_1661C	194	5	4	5	1.00	0.82	0.71	0.86	0.79	1.23	0.87
X019923	BCG_1662C	78	3	3	3	1.00	0.96	0.78	1.08	1.08	1.04	1.24
X019923	BCG_1664	754	21	10	16	1.00	0.88	0.90	1.14	1.28	1.14	0.74
X019923	BCG_1665C	102	10	2	4	1.00	0.80	0.82	0.88	0.82	1.25	0.69
X019923	BCG_1667	1507	40	28	30	1.00	0.95	0.84	0.86	0.98	1.05	1.04
X019923	BCG_1668	2493	195	43	139	1.00	0.88	0.82	0.87	0.75	1.14	0.75
X019923	BCG_1669	347	12	8	9	1.00	0.88	0.92	1.19	1.30	1.14	0.75
X019923	BCG_1670C	105	2	2	2	1.00	0.98	0.82	0.82	1.16	1.02	0.80
X019923	BCG_1671	254	14	5	5	1.00	0.97	1.08	1.14	1.07	1.04	0.98
X019923	BCG_1674	638	31	11	24	1.00	0.90	0.96	1.41	1.25	1.11	0.72
X019923	BCG_1675C	307	22	5	14	1.00	0.96	0.85	0.86	0.86	1.04	2.65
X019923	BCG_1676	1370	45	28	33	1.00	0.77	0.70	0.67	0.63	1.30	0.80
X019923	BCG_1677C	57	3	2	2	1.00	1.36	0.89	1.52	1.05	0.74	0.96
X019923	BCG_1679C	348	18	8	8	1.00	0.79	0.81	0.82	0.77	1.26	1.17
X019923	BCG_1680	503	25	12	18	1.00	1.02	0.80	0.81	0.92	0.98	0.58
X019923	BCG_1681	223	17	4	13	1.00	0.81	0.78	0.77	0.75	1.23	0.67
X019923	BCG_1682	704	49	13	28	1.00	0.88	0.80	0.92	0.79	1.14	0.75
X019923	BCG_1683	331	11	7	7	1.00	0.80	0.80	0.88	0.80	1.25	0.74
X019923	BCG_1686	168	8	3	3	1.00	0.72	0.83	0.88	0.98	1.38	0.71
X019923	BCG_1688	395	13	8	8	1.00	0.81	0.92	1.06	1.00	1.23	0.88
X019923	BCG_1689	772	24	15	17	1.00	0.85	0.83	0.74	0.78	1.17	0.88
X019923	BCG_1691	395	14	7	11	1.00	0.89	0.91	1.10	1.19	1.12	0.80
X019923	BCG_1692	533	11	7	9	1.00	0.92	0.96	1.15	1.23	1.08	0.72
X019923	BCG_1693	538	19	9	14	1.00	0.90	0.96	1.01	1.13	1.11	0.77
X019923	BCG_1694	352	13	7	11	1.00	0.92	1.03	1.13	1.33	1.08	0.80
X019923	BCG_1695	100	5	2	4	1.00	0.81	1.03	1.16	1.44	1.23	0.70
X019923	BCG_1696	270	6	5	5	1.00	0.90	0.99	1.01	1.30	1.11	0.75
X019923	BCG_1697	727	19	13	18	1.00	0.92	0.97	1.05	1.24	1.09	0.93
X019923	BCG_1698	386	13	9	9	1.00	0.95	0.89	1.07	1.13	1.06	0.87
X019923	BCG_1699	137	17	2	2	1.00	0.69	0.92	1.03	0.91	1.44	0.83
X019923	BCG_1705C	147	8	4	4	1.00	0.77	0.77	0.87	0.74	1.30	0.78
X019923	BCG_1706C	318	14	6	6	1.00	0.96	0.87	0.93	0.93	1.04	1.09
X019923	BCG_1714	347	9	7	7	1.00	0.83	0.87	0.93	1.06	1.20	0.69
X019923	BCG_1716	287	10	5	7	1.00	0.90	0.83	0.98	1.02	1.11	1.09
X019923	BCG_1717	608	19	12	15	1.00	0.93	0.88	1.02	1.08	1.07	0.88

X019923	BCG_1718	271	10	6	6	1.00	0.96	0.92	1.06	1.27	1.04	0.81
X019923	BCG_1719	106	7	2	2	1.00	0.78	0.89	0.86	0.89	1.28	0.87
X019923	BCG_1721	1458	44	26	31	1.00	0.94	0.94	0.93	1.01	1.06	0.94
X019923	BCG_1722	124	4	2	2	1.00	0.88	1.28	0.95	0.75	1.14	0.55
X019923	BCG_1727	368	12	5	6	1.00	1.01	1.00	1.25	1.39	0.99	0.84
X019923	BCG_1729	560	18	13	14	1.00	0.88	0.82	0.92	0.80	1.14	0.75
X019923	BCG_1733	293	6	5	5	1.00	0.97	1.20	2.27	1.20	1.03	0.93
X019923	BCG_1734	430	13	10	10	1.00	0.92	0.90	1.03	0.88	1.09	0.83
X019923	BCG_1735	283	8	6	6	1.00	1.08	0.85	1.06	0.99	0.92	0.97
X019923	BCG_1736	245	6	5	5	1.00	0.84	0.83	0.90	0.95	1.19	0.90
X019923	BCG_1737	399	13	9	9	1.00	1.02	0.99	1.19	1.31	0.98	0.94
X019923	BCG_1739	417	13	8	8	1.00	0.94	0.81	1.00	0.93	1.06	1.00
X019923	BCG_1741C	478	16	9	12	1.00	0.95	1.07	1.16	1.33	1.05	0.80
X019923	BCG_1746	213	6	6	6	1.00	0.92	0.90	1.01	0.96	1.09	0.92
X019923	BCG_1747	588	24	11	12	1.00	0.91	0.91	1.03	0.96	1.10	1.00
X019923	BCG_1748	115	2	2	2	1.00	0.96	1.01	0.94	1.27	1.05	0.79
X019923	BCG_1749	214	9	4	6	1.00	0.97	0.99	1.06	0.97	1.03	0.90
X019923	BCG_1750	529	13	8	11	1.00	0.84	0.80	0.87	0.82	1.20	0.74
X019923	BCG_1751	399	9	8	8	1.00	0.83	0.94	0.98	1.12	1.21	0.63
X019923	BCG_1752	378	15	8	8	1.00	0.90	0.95	1.10	1.29	1.11	0.77
X019923	BCG_1758	178	7	6	6	1.00	0.89	0.90	1.16	1.08	1.12	0.69
X019923	BCG_1761	108	7	3	3	1.00	0.87	0.87	1.00	1.20	1.15	0.77
X019923	BCG_1768C	70	2	2	2	1.00	0.58	1.08	1.15	1.14	1.74	0.62
X019923	BCG_1770	1017	42	21	31	1.00	0.87	0.89	0.94	1.08	1.14	0.84
X019923	BCG_1771C	198	4	3	3	1.00	0.93	0.93	1.14	1.19	1.07	0.62
X019923	BCG_1777	245	8	6	7	1.00	0.89	0.91	1.06	1.16	1.12	0.68
X019923	BCG_1782	106	3	2	2	1.00	0.81	0.79	0.87	0.98	1.23	0.96
X019923	BCG_1785	219	11	4	5	1.00	0.90	0.91	0.92	0.98	1.11	0.87
X019923	BCG_1786	877	34	19	21	1.00	0.81	0.78	0.89	0.80	1.23	0.91
X019923	BCG_1787	141	11	3	3	1.00	0.88	0.89	0.89	0.92	1.14	0.74
X019923	BCG_1790	302	11	6	6	1.00	0.90	0.82	1.00	0.86	1.11	0.90
X019923	BCG_1797	780	17	13	13	1.00	0.91	0.94	0.87	0.93	1.10	0.98
X019923	BCG_1802C	119	4	3	3	1.00	0.82	0.96	1.09	1.21	1.23	0.54
X019923	BCG_1803C	456	28	10	16	1.00	0.86	0.78	0.89	0.86	1.17	1.07
X019923	BCG_1804C	161	6	3	3	1.00	0.95	0.86	1.00	1.07	1.05	0.99
X019923	BCG_1807	572	24	12	20	1.00	0.90	1.00	1.15	1.33	1.11	0.72
X019923	BCG_1808	343	12	8	10	1.00	0.93	0.92	1.04	1.06	1.07	0.99
X019923	BCG_1811C	341	8	5	7	1.00	0.89	0.85	0.95	1.01	1.12	0.91
X019923	BCG_1812C	1857	98	31	72	1.00	0.82	0.89	0.95	0.83	1.22	1.48

X019923	BCG_1813	517	16	8	14	1.00	0.92	0.90	0.98	0.97	1.09	0.74
X019923	BCG_1815	667	21	14	16	1.00	0.90	0.87	1.06	1.00	1.11	0.92
X019923	BCG_1816	1398	55	28	33	1.00	0.80	0.73	0.74	0.69	1.25	0.97
X019923	BCG_1824	188	6	3	5	1.00	0.78	1.39	1.03	0.99	1.28	0.63
X019923	BCG_1826	657	18	8	9	1.00	0.90	0.97	1.13	1.27	1.12	0.76
X019923	BCG_1827	533	16	9	13	1.00	0.86	0.82	0.95	0.85	1.16	1.00
X019923	BCG_1828	143	6	3	3	1.00	0.77	0.93	0.92	1.18	1.30	0.88
X019923	BCG_1829	502	10	8	9	1.00	0.79	0.76	0.88	0.88	1.26	0.89
X019923	BCG_1830	351	16	9	9	1.00	0.94	1.02	1.16	1.21	1.06	0.93
X019923	BCG_1841	100	4	2	2	1.00	0.64	0.96	0.88	0.85	1.56	1.05
X019923	BCG_1845	81	4	3	3	1.00	0.84	0.81	0.94	0.82	1.19	0.93
X019923	BCG_1846C	482	14	9	9	1.00	0.91	0.97	1.08	1.17	1.10	0.76
X019923	BCG_1850	159	7	3	3	1.00	0.54	0.64	0.71	0.96	1.85	0.66
X019923	BCG_1852	92	3	3	3	1.00	0.84	0.88	1.03	1.04	1.19	0.64
X019923	BCG_1854C	1307	35	25	27	1.00	0.95	0.87	1.01	1.00	1.05	1.04
X019923	BCG_1855	426	10	6	6	1.00	0.82	0.82	0.98	1.24	1.23	0.77
X019923	BCG_1856	973	36	19	24	1.00	0.89	0.92	1.01	1.05	1.13	0.89
X019923	BCG_1857	229	7	5	6	1.00	0.79	0.72	0.89	0.87	1.27	0.80
X019923	BCG_1858	204	6	6	6	1.00	0.88	0.80	1.02	0.93	1.13	0.92
X019923	BCG_1860	381	15	7	11	1.00	0.95	0.95	0.97	0.96	1.05	0.90
X019923	BCG_1862	492	18	8	11	1.00	0.90	0.96	1.09	1.32	1.11	0.69
X019923	BCG_1864	165	6	3	3	1.00	0.83	0.80	0.93	1.03	1.20	0.72
X019923	BCG_1865	240	6	4	5	1.00	0.82	0.88	1.01	1.16	1.22	0.75
X019923	BCG_1867	403	11	9	10	1.00	1.08	1.11	1.06	1.09	0.93	1.09
X019923	BCG_1868C	313	26	7	7	1.00	0.91	0.90	0.98	1.00	1.10	0.87
X019923	BCG_1870C	122	7	3	3	1.00	0.95	0.66	0.97	1.16	1.05	0.91
X019923	BCG_1871C	546	18	8	12	1.00	0.96	0.86	0.94	0.88	1.04	0.85
X019923	BCG_1872C	1726	88	34	59	1.00	0.92	1.03	1.15	1.19	1.08	0.72
X019923	BCG_1877C	270	8	5	5	1.00	1.00	0.90	0.94	0.96	1.00	0.95
X019923	BCG_1878C	403	12	10	10	1.00	0.87	0.85	0.92	0.92	1.15	0.85
X019923	BCG_1879C	841	19	13	14	1.00	0.95	0.90	1.04	1.15	1.05	0.86
X019923	BCG_1883	128	4	4	4	1.00	0.98	0.98	1.17	1.19	1.02	0.60
X019923	BCG_1884	89	4	2	2	1.00	0.37	0.53	0.73	0.92	2.69	0.78
X019923	BCG_1886	236	7	6	6	1.00	0.89	0.81	1.10	0.97	1.12	0.86
X019923	BCG_1888	225	10	5	5	1.00	0.82	0.75	0.94	0.92	1.22	0.85
X019923	BCG_1889	52	4	2	2	1.00	0.74	0.83	0.94	0.99	1.34	0.89
X019923	BCG_1890C	501	16	8	9	1.00	0.90	0.88	0.96	0.98	1.12	0.86
X019923	BCG_1891C	542	12	10	11	1.00	0.99	1.02	1.21	1.31	1.01	0.83
X019923	BCG_1892C	394	13	7	11	1.00	0.87	0.78	0.95	0.89	1.15	0.79

X019923	BCG_1896	162	5	3	4	1.00	0.86	0.73	1.27	1.01	1.16	0.58
X019923	BCG_1900C	105	5	4	4	1.00	0.93	0.93	1.15	1.18	1.08	1.12
X019923	BCG_1901C	389	13	9	9	1.00	0.95	0.86	0.96	1.08	1.05	0.88
X019923	BCG_1905C	1032	37	21	29	1.00	0.88	0.90	1.12	1.27	1.13	0.77
X019923	BCG_1907C	242	9	7	9	1.00	0.87	0.86	0.99	1.00	1.14	0.72
X019923	BCG_1908C	1332	66	21	49	1.00	0.88	0.82	0.94	0.97	1.14	1.00
X019923	BCG_1910	96	2	2	2	1.00	0.93	1.09	1.07	0.84	1.08	0.94
X019923	BCG_1911	254	7	4	6	1.00	0.83	0.92	1.05	1.16	1.21	0.70
X019923	BCG_1912	536	21	9	16	1.00	0.78	0.73	0.64	0.78	1.29	0.78
X019923	BCG_1915	362	8	7	8	1.00	0.96	0.86	1.09	0.95	1.04	1.02
X019923	BCG_1917C	581	21	14	15	1.00	0.90	0.85	1.06	1.08	1.11	0.83
X019923	BCG_1919C	331	10	7	8	1.00	0.86	0.86	0.94	1.10	1.16	0.76
X019923	BCG_1920C	297	12	5	7	1.00	0.87	1.11	1.30	1.45	1.15	0.45
X019923	BCG_1922C	63	3	2	2	1.00	0.85	0.85	1.17	1.20	1.18	0.89
X019923	BCG_1923C	169	7	4	5	1.00	0.98	0.87	1.10	1.19	1.02	0.73
X019923	BCG_1925C	498	19	10	15	1.00	0.83	0.83	0.97	0.98	1.20	1.07
X019923	BCG_1928C	116	5	3	3	1.00	0.92	0.91	1.12	1.04	1.08	0.97
X019923	BCG_1932C	92	4	3	3	1.00	1.00	0.96	1.24	1.29	1.00	0.72
X019923	BCG_1935C	219	8	5	5	1.00	0.75	0.92	0.99	1.06	1.34	0.62
X019923	BCG_1937	103	5	3	4	1.00	0.84	0.89	1.13	1.12	1.19	0.63
X019923	BCG_1938C	193	6	4	4	1.00	1.09	1.24	1.34	1.47	0.92	0.96
X019923	BCG_1939C	141	11	3	3	1.00	0.86	0.98	1.07	1.34	1.16	0.96
X019923	BCG_1940	356	12	7	8	1.00	1.14	0.92	1.12	1.30	0.88	0.87
X019923	BCG_1943	77	3	2	2	1.00	0.86	0.69	0.82	0.76	1.16	0.67
X019923	BCG_1944C	226	9	5	5	1.00	0.89	0.89	1.17	1.19	1.13	0.79
X019923	BCG_1947C	1650	81	27	61	1.00	0.94	0.96	1.08	1.12	1.06	0.83
X019923	BCG_1951C	660	47	15	24	1.00	0.88	0.89	0.97	1.04	1.14	0.77
X019923	BCG_1953C	123	5	3	4	1.00	0.93	0.91	1.14	1.04	1.07	0.70
X019923	BCG_1954	2007	96	42	74	1.00	0.93	0.84	0.84	0.81	1.08	0.84
X019923	BCG_1958C	513	24	10	15	1.00	0.79	0.97	1.28	1.64	1.26	0.50
X019923	BCG_1960C	150	5	2	2	1.00	0.67	1.04	0.98	1.04	1.49	0.77
X019923	BCG_1962	110	9	2	2	1.00	0.91	1.17	1.15	1.05	1.10	0.97
X019923	BCG_1963C	222	8	5	6	1.00	0.88	0.78	0.86	0.86	1.13	0.87
X019923	BCG_1964	1292	35	25	31	1.00	0.89	0.89	0.96	0.93	1.12	0.92
X019923	BCG_1966	82	5	3	3	1.00	0.65	0.63	1.00	0.66	1.53	0.59
X019923	BCG_1968C	332	12	7	9	1.00	0.89	0.88	0.90	0.87	1.12	0.70
X019923	BCG_1971	301	14	5	9	1.00	0.81	0.86	1.00	1.08	1.23	0.58
X019923	BCG_1981C	179	4	4	4	1.00	0.83	0.79	1.28	1.28	1.20	0.87
X019923	BCG_1994	106	5	3	3	1.00	0.80	0.68	0.85	0.75	1.25	0.89

X019923	BCG_1995	246	10	5	5	1.00	0.92	0.91	0.91	1.03	1.08	0.80
X019923	BCG_1996	237	6	6	6	1.00	0.90	0.79	0.83	0.87	1.11	0.85
X019923	BCG_1999C	53	2	2	2	1.00	1.17	0.89	2.64	1.23	0.85	0.92
X019923	BCG_2002C	212	8	5	6	1.00	0.98	0.83	0.93	0.99	1.02	0.78
X019923	BCG_2005C	170	4	3	3	1.00	0.79	0.80	1.01	1.07	1.26	0.69
X019923	BCG_2009C	434	15	8	8	1.00	0.87	0.79	0.95	0.86	1.15	1.06
X019923	BCG_2010C	339	11	8	9	1.00	0.89	0.95	1.19	1.15	1.12	0.77
X019923	BCG_2012	43	4	2	2	1.00	0.50	0.69	0.74	0.66	2.00	0.57
X019923	BCG_2013	374	10	8	8	1.00	0.85	0.93	1.06	1.05	1.17	0.84
X019923	BCG_2015C	178	5	4	4	1.00	0.92	0.83	1.14	1.16	1.09	0.69
X019923	BCG_2017	308	8	6	6	1.00	0.87	0.94	1.04	1.10	1.15	0.83
X019923	BCG_2018	93	5	3	3	1.00	0.83	0.89	1.05	1.11	1.21	0.99
X019923	BCG_2019	115	5	3	4	1.00	0.88	1.01	0.99	1.28	1.14	0.70
X019923	BCG_2020C	406	14	9	10	1.00	0.88	0.83	0.83	0.79	1.13	0.73
X019923	BCG_2021C	531	24	12	13	1.00	0.95	1.01	1.08	1.08	1.05	1.04
X019923	BCG_2022C	388	11	8	10	1.00	0.89	0.89	0.93	0.94	1.13	0.83
X019923	BCG_2025C	78	5	3	3	1.00	0.92	0.75	1.28	1.15	1.09	0.65
X019923	BCG_2027	110	5	3	3	1.00	0.57	0.93	1.17	0.88	1.75	0.73
X019923	BCG_2035	440	11	10	10	1.00	0.92	0.90	1.08	0.96	1.09	0.79
X019923	BCG_2036	126	4	3	3	1.00	1.13	0.94	0.90	1.33	0.89	0.82
X019923	BCG_2039C	54	2	2	2	1.00	0.86	0.85	0.79	1.03	1.16	0.88
X019923	BCG_2043C	147	14	3	3	1.00	0.69	0.81	0.86	0.81	1.46	0.92
X019923	BCG_2045C	176	5	3	3	1.00	0.74	0.86	0.94	1.21	1.34	0.76
X019923	BCG_2046C	105	7	3	3	1.00	0.75	0.87	0.84	0.65	1.34	0.85
X019923	BCG_2047C	156	7	2	2	1.00	0.74	0.84	1.04	0.75	1.35	0.66
X019923	BCG_2049C	540	22	13	14	1.00	0.87	0.85	1.03	1.00	1.15	0.86
X019923	BCG_2050C	515	32	10	16	1.00	0.87	0.89	0.96	1.07	1.15	0.77
X019923	BCG_2051	322	10	6	6	1.00	0.78	0.84	1.03	1.06	1.28	0.76
X019923	BCG_2052C	68	3	3	3	1.00	0.94	1.05	0.84	1.16	1.06	0.74
X019923	BCG_2054	207	6	5	5	1.00	0.86	0.78	1.01	1.02	1.17	0.68
X019923	BCG_2056C	122	6	5	5	1.00	0.85	0.94	1.03	1.13	1.18	0.82
X019923	BCG_2057C	95	5	2	2	1.00	0.91	0.92	1.03	1.12	1.10	0.84
X019923	BCG_2060C	130	5	3	3	1.00	0.85	1.06	1.35	1.15	1.18	1.21
X019923	BCG_2061C	377	10	8	8	1.00	0.92	0.88	0.95	1.16	1.09	0.67
X019923	BCG_2064C	81	6	2	2	1.00	0.92	1.02	1.18	0.88	1.09	1.06
X019923	BCG_2066C	663	23	14	16	1.00	0.94	0.85	0.86	0.73	1.07	0.93
X019923	BCG_2067C	4002	163	76	99	1.00	0.81	0.69	0.85	0.73	1.23	0.88
X019923	BCG_2068C	214	6	3	3	1.00	0.93	0.86	0.84	1.05	1.07	0.74
X019923	BCG_2069	258	8	5	6	1.00	0.81	0.84	0.91	0.87	1.23	0.78

X019923	BCG_2070C	1017	43	16	23	1.00	0.95	0.84	0.87	0.93	1.05	0.94
X019923	BCG_2071C	302	10	6	6	1.00	0.90	1.00	1.20	1.34	1.12	0.71
X019923	BCG_2073	881	63	15	35	1.00	0.87	1.00	1.30	1.42	1.15	0.47
X019923	BCG_2074C	84	2	2	2	1.00	0.86	0.77	0.99	0.74	1.16	0.78
X019923	BCG_2080C	256	10	5	6	1.00	0.81	0.82	0.94	1.11	1.23	0.79
X019923	BCG_2081C	97	8	4	4	1.00	1.18	0.93	0.90	0.80	0.85	1.09
X019923	BCG_2083	96	6	2	2	1.00	0.60	0.89	0.94	1.03	1.65	0.69
X019923	BCG_2084	128	9	3	3	1.00	1.02	1.08	1.10	1.44	0.98	1.08
X019923	BCG_2085	144	8	5	5	1.00	0.98	0.93	1.51	1.24	1.02	1.04
X019923	BCG_2086C	621	21	13	15	1.00	0.73	0.76	0.96	1.02	1.36	3.20
X019923	BCG_2087C	211	12	5	5	1.00	0.95	0.74	0.99	1.07	1.05	0.83
X019923	BCG_2101	122	5	2	2	1.00	0.91	0.78	0.82	0.76	1.10	0.89
X019923	BCG_2103	198	10	3	3	1.00	0.83	0.71	1.12	0.89	1.20	0.79
X019923	BCG_2108	111	5	3	3	1.00	0.59	0.67	0.68	0.78	1.70	1.08
X019923	BCG_2109C	101	3	2	2	1.00	0.74	0.74	0.95	0.90	1.35	0.61
X019923	BCG_2110	135	6	3	3	1.00	0.93	0.97	1.07	1.15	1.07	0.77
X019923	BCG_2111C	600	17	8	13	1.00	0.98	0.89	1.00	1.07	1.02	1.13
X019923	BCG_2112C	1437	43	30	31	1.00	0.93	0.76	0.74	0.70	1.08	0.88
X019923	BCG_2114C	215	4	3	3	1.00	0.79	0.99	1.08	1.24	1.26	0.82
X019923	BCG_2115C	256	12	6	7	1.00	1.00	0.98	1.18	1.58	1.00	0.78
X019923	BCG_2116C	179	9	3	4	1.00	0.87	0.89	1.02	1.15	1.14	0.80
X019923	BCG_2117C	1411	47	25	32	1.00	0.90	0.83	1.00	0.92	1.12	0.87
X019923	BCG_2120	632	23	16	17	1.00	0.84	0.82	0.84	0.79	1.19	0.84
X019923	BCG_2121	142	4	3	4	1.00	0.95	0.96	1.04	0.99	1.05	0.79
X019923	BCG_2126C	703	27	11	17	1.00	0.84	0.82	0.87	0.82	1.19	0.81
X019923	BCG_2127C	642	35	11	23	1.00	0.90	0.84	0.90	0.87	1.11	0.82
X019923	BCG_2128C	292	10	5	7	1.00	0.80	0.87	0.81	0.79	1.26	0.66
X019923	BCG_2129C	416	16	9	10	1.00	0.81	0.89	1.06	1.13	1.23	0.74
X019923	BCG_2131	112	5	3	4	1.00	0.95	0.92	1.03	1.09	1.05	0.64
X019923	BCG_2132C	1321	49	25	34	1.00	0.88	0.75	0.81	0.75	1.14	0.86
X019923	BCG_2134	91	2	2	2	1.00	0.83	1.37	1.21	0.79	1.20	0.94
X019923	BCG_2135C	732	19	13	16	1.00	0.95	1.01	1.08	1.15	1.06	0.77
X019923	BCG_2136	130	7	3	3	1.00	0.83	1.03	1.30	1.00	1.20	0.94
X019923	BCG_2138C	369	11	5	6	1.00	0.88	0.82	1.01	1.03	1.14	0.83
X019923	BCG_2141C	679	26	14	15	1.00	0.88	0.89	0.94	0.98	1.14	0.97
X019923	BCG_2142	87	4	2	2	1.00	0.89	0.76	0.82	0.98	1.12	0.73
X019923	BCG_2144	185	8	4	5	1.00	0.75	0.80	0.92	0.92	1.33	0.92
X019923	BCG_2146C	715	24	17	21	1.00	0.90	0.91	0.98	1.13	1.11	0.88
X019923	BCG_2147C	657	21	13	15	1.00	0.89	0.82	0.95	0.89	1.12	1.57

X019923	BCG_2148C	298	9	7	8	1.00	0.89	0.84	1.03	1.09	1.13	0.72
X019923	BCG_2150C	611	39	9	30	1.00	0.66	0.79	0.81	0.78	1.52	0.70
X019923	BCG_2151C	403	11	9	9	1.00	0.71	0.82	0.77	0.78	1.40	0.68
X019923	BCG_2152C	243	10	6	6	1.00	0.89	0.96	1.01	1.04	1.12	0.81
X019923	BCG_2155	179	6	5	5	1.00	0.81	0.76	1.02	1.16	1.24	0.93
X019923	BCG_2156	458	14	10	11	1.00	0.85	0.85	0.94	1.05	1.17	0.77
X019923	BCG_2157C	398	18	7	12	1.00	0.84	0.87	1.02	1.17	1.19	0.61
X019923	BCG_2158C	272	9	6	6	1.00	0.93	0.82	1.01	1.12	1.07	0.77
X019923	BCG_2162C	1323	62	22	45	1.00	0.85	0.81	0.86	0.72	1.18	0.58
X019923	BCG_2163C	91	2	2	2	1.00	0.84	1.06	1.21	1.43	1.19	0.78
X019923	BCG_2164C	276	11	5	5	1.00	0.80	0.73	0.94	0.94	1.25	0.66
X019923	BCG_2165C	166	6	3	3	1.00	0.43	0.78	0.71	0.64	2.33	0.39
X019923	BCG_2166C	232	7	5	5	1.00	0.83	0.74	0.89	0.99	1.20	0.63
X019923	BCG_2167C	778	28	12	19	1.00	0.85	0.90	1.09	1.15	1.18	0.70
X019923	BCG_2168C	671	23	12	13	1.00	0.86	0.80	0.88	0.84	1.16	0.80
X019923	BCG_2169C	292	15	8	9	1.00	0.99	0.98	1.23	1.33	1.01	0.88
X019923	BCG_2170C	530	17	11	12	1.00	0.89	0.83	0.96	0.88	1.12	0.85
X019923	BCG_2172C	459	10	8	8	1.00	0.85	0.98	1.47	1.32	1.17	0.84
X019923	BCG_2173C	194	5	4	4	1.00	0.69	0.71	0.68	0.80	1.44	0.85
X019923	BCG_2174C	290	11	5	6	1.00	1.04	0.99	1.22	1.34	0.96	0.82
X019923	BCG_2175C	407	12	8	8	1.00	0.79	1.02	1.23	1.20	1.26	0.73
X019923	BCG_2176C	188	10	5	5	1.00	1.03	1.02	1.40	1.21	0.97	1.21
X019923	BCG_2182C	335	12	7	7	1.00	1.00	0.92	0.94	1.12	1.00	0.74
X019923	BCG_2183C	365	15	8	13	1.00	0.89	0.82	0.95	0.94	1.13	0.88
X019923	BCG_2185	86	5	3	3	1.00	0.91	0.88	1.30	1.31	1.10	0.73
X019923	BCG_2187C	339	15	7	8	1.00	0.82	0.96	1.12	1.23	1.22	0.68
X019923	BCG_2188	216	9	7	7	1.00	1.03	0.95	0.96	1.25	0.97	0.92
X019923	BCG_2189	127	5	2	2	1.00	1.13	0.82	0.84	0.99	0.88	1.12
X019923	BCG_2190C	134	6	4	5	1.00	0.80	0.82	0.86	0.72	1.25	0.65
X019923	BCG_2191	44	3	2	2	1.00	0.77	0.75	1.33	0.63	1.29	0.87
X019923	BCG_2193C	1043	36	18	28	1.00	0.98	0.88	1.03	1.06	1.02	0.93
X019923	BCG_2194C	117	3	3	3	1.00	0.90	1.12	1.32	1.22	1.11	0.71
X019923	BCG_2196	240	8	5	7	1.00	0.87	0.84	0.85	0.95	1.15	1.00
X019923	BCG_2197C	391	11	6	7	1.00	0.90	0.88	0.91	0.93	1.11	0.88
X019923	BCG_2198C	58	2	2	2	1.00	1.03	0.43	0.65	0.79	0.97	0.31
X019923	BCG_2199C	323	13	7	9	1.00	0.85	0.84	0.96	0.91	1.18	0.81
X019923	BCG_2200C	575	27	9	22	1.00	0.93	0.94	1.10	1.21	1.07	0.72
X019923	BCG_2201C	167	12	5	8	1.00	0.95	0.96	1.15	1.00	1.06	0.99
X019923	BCG_2204C	427	17	9	10	1.00	0.91	0.94	1.04	1.06	1.10	0.82

X019923	BCG_2206C	234	11	4	4	1.00	0.92	0.79	1.09	0.88	1.09	0.98
X019923	BCG_2208C	203	8	3	4	1.00	0.95	0.96	1.25	1.36	1.06	0.87
X019923	BCG_2210	293	12	8	10	1.00	0.84	0.90	0.97	1.09	1.19	0.85
X019923	BCG_2211	884	38	17	25	1.00	0.87	0.84	0.94	0.94	1.15	0.95
X019923	BCG_2212	593	24	13	18	1.00	0.82	0.84	0.91	0.87	1.22	0.93
X019923	BCG_2213C	146	7	3	4	1.00	0.91	0.93	1.06	1.12	1.10	0.82
X019923	BCG_2216C	582	30	14	24	1.00	0.88	0.85	0.93	0.97	1.13	1.01
X019923	BCG_2217	612	15	11	11	1.00	0.91	0.88	1.02	0.88	1.10	0.92
X019923	BCG_2218C	725	34	12	25	1.00	0.88	0.91	1.07	1.25	1.14	0.69
X019923	BCG_2219	495	14	7	9	1.00	0.95	0.80	0.92	0.94	1.05	0.95
X019923	BCG_2220C	574	18	8	11	1.00	0.86	0.82	0.94	0.96	1.16	0.59
X019923	BCG_2222	56	2	2	2	1.00	0.92	0.66	0.74	0.77	1.08	0.69
X019923	BCG_2223	259	13	6	8	1.00	0.79	0.90	1.03	1.07	1.27	0.69
X019923	BCG_2226C	553	14	12	12	1.00	0.92	0.93	1.18	1.27	1.09	0.77
X019923	BCG_2227C	193	10	4	8	1.00	0.89	0.97	1.16	1.23	1.12	0.69
X019923	BCG_2228	167	4	3	4	1.00	0.75	1.09	1.24	1.11	1.33	1.29
X019923	BCG_2230C	724	22	10	14	1.00	0.91	0.90	1.05	1.02	1.10	0.95
X019923	BCG_2231	1388	56	22	46	1.00	0.91	0.83	0.91	0.75	1.10	0.78
X019923	BCG_2232	186	8	4	5	1.00	0.85	0.96	1.12	1.33	1.18	0.70
X019923	BCG_2234	126	6	2	2	1.00	0.82	0.86	0.86	1.00	1.22	0.59
X019923	BCG_2235	569	17	11	15	1.00	0.90	0.83	0.92	0.99	1.12	0.80
X019923	BCG_2237	2911	2026	36	1277	1.00	0.73	0.76	0.80	0.75	1.37	0.69
X019923	BCG_2238C	146	6	3	3	1.00	0.98	1.21	1.02	1.13	1.02	1.14
X019923	BCG_2239C	557	31	9	14	1.00	0.95	0.93	1.05	1.11	1.05	0.86
X019923	BCG_2241C	942	33	18	26	1.00	0.86	0.86	0.88	0.98	1.16	1.06
X019923	BCG_2242	71	3	2	2	1.00	1.06	0.73	0.97	1.21	0.94	0.83
X019923	BCG_2243	1103	30	21	25	1.00	0.88	0.86	0.90	0.88	1.13	0.91
X019923	BCG_2246C	564	12	10	11	1.00	0.94	0.91	1.17	1.32	1.07	0.85
X019923	BCG_2247C	280	8	6	6	1.00	0.89	0.89	1.15	1.23	1.13	0.76
X019923	BCG_2248C	289	7	7	7	1.00	0.92	0.85	0.96	0.97	1.09	0.97
X019923	BCG_2249C	215	8	6	6	1.00	0.68	0.72	0.84	0.91	1.47	0.61
X019923	BCG_2251	77	4	3	3	1.00	0.86	0.87	0.97	0.99	1.17	0.94
X019923	BCG_2252	174	3	3	3	1.00	1.04	1.02	1.22	1.18	0.96	0.98
X019923	BCG_2254	209	4	3	3	1.00	0.82	0.74	0.85	1.03	1.22	0.73
X019923	BCG_2255C	215	9	4	5	1.00	0.87	0.90	1.01	1.03	1.15	1.10
X019923	BCG_2258	1118	52	23	31	1.00	0.90	0.86	0.83	0.94	1.11	0.97
X019923	BCG_2259	586	18	9	12	1.00	0.80	0.83	0.99	0.98	1.25	0.88
X019923	BCG_2260	338	10	7	8	1.00	0.85	0.95	1.11	1.16	1.18	0.64
X019923	BCG_2261	488	20	6	17	1.00	0.85	0.90	0.96	1.11	1.18	0.61

X019923	BCG_2262	457	18	8	11	1.00	0.94	1.00	1.10	1.27	1.07	0.92
X019923	BCG_2263	786	31	13	23	1.00	0.91	0.91	1.13	1.29	1.10	0.76
X019923	BCG_2264	928	30	18	23	1.00	0.91	0.85	1.00	1.00	1.10	0.79
X019923	BCG_2267C	413	15	9	9	1.00	0.86	1.00	1.04	0.95	1.16	0.91
X019923	BCG_2269	597	18	12	14	1.00	0.96	0.99	1.10	1.22	1.04	0.80
X019923	BCG_2270	301	13	7	8	1.00	0.90	0.92	0.97	0.94	1.11	0.83
X019923	BCG_2276C	481	11	6	8	1.00	0.91	0.90	1.09	1.24	1.10	0.79
X019923	BCG_2277	309	9	7	7	1.00	0.90	0.84	1.20	1.24	1.11	0.86
X019923	BCG_2278	118	4	3	3	1.00	0.88	0.88	1.10	1.13	1.14	0.73
X019923	BCG_2280	168	7	5	5	1.00	0.95	0.90	1.08	1.16	1.06	0.81
X019923	BCG_2289	102	3	3	3	1.00	0.84	0.95	0.86	0.90	1.18	0.93
X019923	BCG_2293	120	4	3	3	1.00	1.01	1.06	1.24	1.60	0.99	0.87
X019923	BCG_2295	487	18	8	10	1.00	0.87	0.94	1.17	1.26	1.15	0.73
X019923	BCG_2299	620	23	10	16	1.00	0.86	0.83	0.91	0.90	1.16	0.90
X019923	BCG_2300	333	12	6	7	1.00	0.88	0.82	0.94	1.00	1.13	0.81
X019923	BCG_2305	400	14	8	8	1.00	0.93	0.82	0.85	0.84	1.08	0.83
X019923	BCG_2308	126	3	2	2	1.00	0.96	1.03	1.04	1.20	1.05	0.78
X019923	BCG_2310	483	17	13	13	1.00	0.82	0.85	0.99	1.05	1.22	0.71
X019923	BCG_2312	651	24	13	14	1.00	0.94	1.05	1.30	1.55	1.06	0.69
X019923	BCG_2313	105	7	2	2	1.00	0.92	0.95	1.04	1.25	1.09	1.11
X019923	BCG_2314	813	28	14	17	1.00	0.92	0.91	1.02	1.08	1.08	0.80
X019923	BCG_2315C	1354	57	26	40	1.00	0.97	1.01	1.17	1.24	1.03	0.91
X019923	BCG_2316C	95	5	2	2	1.00	0.79	0.77	0.95	0.77	1.27	0.70
X019923	BCG_2318	166	7	4	6	1.00	0.84	0.78	0.98	1.06	1.20	0.60
X019923	BCG_2319C	69	3	2	2	1.00	0.69	0.60	0.58	0.88	1.45	0.71
X019923	BCG_2321	518	20	11	11	1.00	1.01	1.05	1.17	1.20	0.99	0.92
X019923	BCG_2334C	114	4	4	4	1.00	0.86	0.76	1.01	0.77	1.17	1.00
X019923	BCG_2335C	410	9	7	7	1.00	0.95	0.91	1.07	1.27	1.05	0.79
X019923	BCG_2336C	561	14	13	13	1.00	0.97	1.07	1.23	1.35	1.03	0.91
X019923	BCG_2347C	456	16	9	9	1.00	0.89	0.84	0.95	1.00	1.13	1.04
X019923	BCG_2351C	88	3	3	3	1.00	0.86	0.77	0.96	1.18	1.17	0.86
X019923	BCG_2354	284	11	5	5	1.00	1.01	0.77	1.30	1.19	0.99	0.95
X019923	BCG_2356	620	21	13	16	1.00	0.79	0.95	1.13	1.35	1.27	0.68
X019923	BCG_2357	143	7	4	5	1.00	0.88	0.78	0.90	1.03	1.14	0.81
X019923	BCG_2359C	221	9	5	6	1.00	0.91	0.92	0.97	0.86	1.10	0.75
X019923	BCG_2360C	158	6	3	3	1.00	0.93	1.02	1.25	0.98	1.08	0.81
X019923	BCG_2365	121	6	3	4	1.00	0.73	0.75	0.83	0.70	1.36	0.65
X019923	BCG_2366C	263	15	8	8	1.00	0.89	0.77	0.98	1.00	1.12	0.93
X019923	BCG_2367C	404	12	9	10	1.00	0.93	1.00	1.11	1.27	1.07	1.01

X019923	BCG_2368	1557	44	27	36	1.00	0.88	0.87	0.95	0.86	1.14	0.97
X019923	BCG_2371C	704	20	14	17	1.00	0.91	0.94	1.02	1.13	1.09	0.89
X019923	BCG_2372	103	4	2	2	1.00	0.88	1.23	1.15	1.27	1.14	0.74
X019923	BCG_2373	112	7	2	2	1.00	0.91	0.72	0.99	0.91	1.10	0.55
X019923	BCG_2374C	157	5	4	4	1.00	0.84	0.83	0.90	1.11	1.19	0.73
X019923	BCG_2375C	131	7	4	5	1.00	0.92	0.91	0.82	1.08	1.09	0.93
X019923	BCG_2377	751	25	14	21	1.00	0.94	0.99	1.13	1.19	1.06	0.78
X019923	BCG_2378C	134	6	4	4	1.00	0.82	0.96	1.13	1.12	1.23	0.72
X019923	BCG_2379C	60	4	2	2	1.00	0.98	0.86	0.91	1.06	1.02	0.50
X019923	BCG_2380C	369	15	8	10	1.00	0.84	0.82	0.91	0.88	1.19	0.87
X019923	BCG_2382C	258	7	5	5	1.00	0.81	0.72	0.82	1.09	1.23	0.68
X019923	BCG_2387C	822	31	18	27	1.00	0.88	0.87	1.00	0.97	1.13	0.92
X019923	BCG_2388C	439	14	8	8	1.00	0.89	0.88	0.99	0.92	1.12	0.93
X019923	BCG_2389	115	3	3	3	1.00	1.02	1.03	1.16	1.16	0.98	0.87
X019923	BCG_2392C	112	7	3	3	1.00	0.78	0.87	1.03	1.25	1.29	0.69
X019923	BCG_2394C	394	17	10	10	1.00	0.76	0.83	0.82	0.68	1.32	1.09
X019923	BCG_2401	105	5	2	2	1.00	0.84	0.89	0.92	1.12	1.19	1.15
X019923	BCG_2405	649	26	14	15	1.00	0.89	0.94	1.11	1.24	1.12	0.76
X019923	BCG_2406	302	9	6	7	1.00	0.80	0.89	1.10	1.17	1.24	0.62
X019923	BCG_2408	502	13	10	10	1.00	0.84	0.91	0.99	1.06	1.19	0.87
X019923	BCG_2412C	372	9	7	7	1.00	0.93	0.89	1.00	1.02	1.07	0.88
X019923	BCG_2415C	269	8	5	5	1.00	0.79	0.97	1.01	1.19	1.26	0.71
X019923	BCG_2418	639	28	15	18	1.00	0.94	0.90	1.02	0.89	1.06	0.90
X019923	BCG_2420C	569	19	12	12	1.00	1.03	0.97	0.99	1.13	0.97	0.75
X019923	BCG_2421	293	12	6	8	1.00	0.89	0.91	0.92	1.17	1.13	0.91
X019923	BCG_2423	63	2	2	2	1.00	0.94	0.97	1.35	1.24	1.07	1.19
X019923	BCG_2425C	199	7	7	7	1.00	0.88	0.82	0.98	0.97	1.14	0.84
X019923	BCG_2426C	226	10	5	5	1.00	0.79	0.75	0.76	0.81	1.27	0.68
X019923	BCG_2427C	461	17	11	12	1.00	0.99	1.06	1.07	1.17	1.01	0.98
X019923	BCG_2428	355	28	8	17	1.00	0.88	0.75	0.86	0.72	1.14	0.68
X019923	BCG_2429C	100	3	2	2	1.00	0.97	0.96	1.25	1.09	1.03	0.79
X019923	BCG_2432C	398	17	8	10	1.00	0.92	0.78	1.02	1.05	1.09	0.91
X019923	BCG_2433C	248	6	3	3	1.00	0.76	0.98	1.04	1.09	1.32	0.77
X019923	BCG_2434C	114	5	3	5	1.00	0.84	0.93	1.03	1.21	1.19	0.99
X019923	BCG_2435C	462	14	9	11	1.00	0.94	0.96	1.09	1.22	1.06	0.75
X019923	BCG_2436C	336	14	7	11	1.00	0.93	0.81	0.95	0.79	1.07	0.81
X019923	BCG_2437C	123	5	3	3	1.00	0.97	1.06	1.25	1.30	1.04	0.99
X019923	BCG_2439	354	14	8	8	1.00	0.88	0.84	1.12	0.94	1.14	0.96
X019923	BCG_2443C	194	6	3	3	1.00	0.93	0.81	1.08	0.95	1.07	0.92

X019923	BCG_2444C	724	23	15	18	1.00	0.94	0.92	1.10	1.24	1.06	0.82
X019923	BCG_2447	846	47	13	35	1.00	0.91	0.98	1.09	1.30	1.09	0.71
X019923	BCG_2448	405	17	7	9	1.00	0.92	0.87	0.99	1.12	1.08	0.70
X019923	BCG_2449C	81	4	2	3	1.00	0.85	0.91	1.21	1.20	1.18	0.80
X019923	BCG_2457C	772	28	19	22	1.00	0.91	0.87	0.92	0.81	1.10	0.93
X019923	BCG_2459C	346	11	7	7	1.00	0.94	0.85	1.02	1.02	1.06	0.84
X019923	BCG_2460C	388	15	8	8	1.00	0.79	0.80	0.92	0.79	1.27	0.81
X019923	BCG_2461C	437	25	9	20	1.00	0.92	0.80	0.84	0.78	1.09	0.71
X019923	BCG_2462C	462	33	7	28	1.00	0.87	0.79	0.90	0.80	1.15	0.76
X019923	BCG_2464C	1958	75	35	50	1.00	0.76	0.73	0.70	0.59	1.31	0.81
X019923	BCG_2465C	386	9	7	8	1.00	0.85	0.92	1.05	1.20	1.17	0.64
X019923	BCG_2467C	240	12	5	6	1.00	0.87	0.91	1.04	1.19	1.15	0.86
X019923	BCG_2468C	574	25	13	15	1.00	1.04	0.99	0.99	1.25	0.96	1.09
X019923	BCG_2469C	418	14	10	11	1.00	0.91	0.85	0.94	1.02	1.10	0.82
X019923	BCG_2473C	398	8	7	7	1.00	1.01	1.04	1.13	1.37	0.99	0.80
X019923	BCG_2474C	796	21	14	17	1.00	0.89	0.84	1.00	1.05	1.13	0.83
X019923	BCG_2475C	712	20	12	13	1.00	0.95	0.90	1.04	1.16	1.05	0.86
X019923	BCG_2477C	920	30	17	22	1.00	0.90	0.84	0.94	1.01	1.11	0.84
X019923	BCG_2480C	331	21	8	12	1.00	0.80	0.85	1.07	1.12	1.26	0.63
X019923	BCG_2481C	518	18	6	13	1.00	0.87	0.96	1.05	1.10	1.15	0.75
X019923	BCG_2482C	952	45	16	26	1.00	0.85	0.86	1.03	1.12	1.18	0.70
X019923	BCG_2485C	469	19	8	15	1.00	0.89	0.88	1.05	1.20	1.12	0.67
X019923	BCG_2486C	149	6	4	5	1.00	0.95	0.98	1.09	1.32	1.05	0.78
X019923	BCG_2487	1083	32	21	23	1.00	0.95	0.94	0.98	1.10	1.06	0.84
X019923	BCG_2488C	234	7	4	5	1.00	0.52	0.84	0.92	0.78	1.93	0.62
X019923	BCG_2493	92	3	2	2	1.00	0.96	0.88	0.97	1.54	1.05	1.21
X019923	BCG_2494C	131	4	3	4	1.00	0.88	0.89	0.95	1.13	1.13	0.77
X019923	BCG_2495C	392	9	5	6	1.00	0.89	0.87	1.07	1.26	1.12	0.82
X019923	BCG_2496C	4365	152	80	104	1.00	0.79	0.72	0.67	0.65	1.26	0.92
X019923	BCG_2497C	1061	41	20	27	1.00	0.92	0.97	1.12	1.28	1.08	0.75
X019923	BCG_2500C	759	30	14	18	1.00	0.95	0.82	0.98	0.85	1.06	0.84
X019923	BCG_2501C	462	18	10	10	1.00	0.98	0.84	0.94	1.29	1.02	0.69
X019923	BCG_2502C	174	8	4	4	1.00	0.96	0.96	1.21	1.50	1.04	0.95
X019923	BCG_2504	216	10	4	4	1.00	0.78	1.07	1.06	1.23	1.28	0.70
X019923	BCG_2515C	1038	39	20	31	1.00	0.83	0.80	0.85	0.79	1.21	0.83
X019923	BCG_2516C	493	20	9	12	1.00	0.93	0.94	1.06	1.13	1.07	0.89
X019923	BCG_2517C	388	18	9	12	1.00	0.84	0.90	0.92	1.00	1.20	0.81
X019923	BCG_2518C	427	12	7	8	1.00	0.88	0.95	1.07	1.21	1.13	0.77
X019923	BCG_2519C	103	5	3	3	1.00	0.82	0.89	1.00	0.97	1.22	0.70

X019923	BCG_2520C	1018	32	14	20	1.00	0.83	0.75	0.91	0.88	1.20	3.06
X019923	BCG_2521C	3897	296	60	204	1.00	0.74	0.84	0.86	0.74	1.35	0.68
X019923	BCG_2522C	2498	222	29	133	1.00	0.72	0.87	0.90	0.87	1.38	0.69
X019923	BCG_2524C	140	3	2	2	1.00	1.29	1.18	1.36	1.53	0.78	0.98
X019923	BCG_2526	128	8	2	2	1.00	1.04	1.35	1.34	1.11	0.97	0.83
X019923	BCG_2528C	65	8	2	2	1.00	0.84	0.72	1.00	0.93	1.19	0.85
X019923	BCG_2529	517	13	7	10	1.00	0.85	0.94	1.03	1.16	1.18	0.82
X019923	BCG_2530C	212	7	6	6	1.00	0.94	1.08	1.20	1.46	1.06	0.86
X019923	BCG_2531	205	6	5	5	1.00	1.00	0.95	1.16	1.35	1.00	0.74
X019923	BCG_2536C	113	4	3	3	1.00	0.85	0.76	1.44	0.74	1.18	0.79
X019923	BCG_2537C	122	4	4	4	1.00	0.86	0.89	0.90	0.84	1.16	0.62
X019923	BCG_2539C	202	11	4	5	1.00	0.89	0.84	1.12	0.88	1.13	1.01
X019923	BCG_2541C	270	18	7	11	1.00	0.90	0.92	0.95	0.87	1.12	0.76
X019923	BCG_2542	472	17	9	11	1.00	0.94	0.95	1.11	1.26	1.06	0.85
X019923	BCG_2543C	135	6	3	3	1.00	1.01	0.88	1.08	1.14	0.99	0.98
X019923	BCG_2545C	7114	313	127	226	1.00	0.84	0.76	0.90	0.82	1.20	0.90
X019923	BCG_2548	72	3	2	3	1.00	0.87	0.94	0.94	1.16	1.15	0.64
X019923	BCG_2549C	494	17	12	13	1.00	0.88	0.89	1.11	1.13	1.13	0.84
X019923	BCG_2550	576	15	12	12	1.00	0.91	0.91	1.06	1.12	1.10	0.86
X019923	BCG_2553C	457	15	10	10	1.00	0.88	0.87	0.92	0.95	1.13	1.05
X019923	BCG_2554C	103	3	2	2	1.00	0.87	0.87	1.12	1.06	1.15	0.97
X019923	BCG_2555C	304	9	8	9	1.00	0.87	0.94	1.11	1.23	1.15	0.68
X019923	BCG_2556C	404	18	10	14	1.00	0.88	0.91	1.02	1.17	1.13	0.66
X019923	BCG_2557C	886	22	12	15	1.00	0.91	0.96	1.21	1.28	1.09	0.72
X019923	BCG_2558	215	6	6	6	1.00	0.92	0.90	1.04	1.08	1.09	0.92
X019923	BCG_2559C	130	5	3	4	1.00	0.76	0.82	1.00	0.93	1.32	0.80
X019923	BCG_2560C	194	6	4	5	1.00	0.96	0.99	1.07	1.18	1.04	0.80
X019923	BCG_2562C	340	14	6	7	1.00	0.88	0.87	1.03	1.29	1.14	0.79
X019923	BCG_2576C	994	34	19	26	1.00	0.86	0.77	0.78	0.76	1.16	0.82
X019923	BCG_2577C	136	6	3	3	1.00	1.17	0.87	0.88	1.24	0.85	0.85
X019923	BCG_2578C	1871	66	35	47	1.00	0.99	0.91	0.85	0.86	1.01	1.04
X019923	BCG_2579C	87	2	2	2	1.00	0.94	0.98	1.08	1.35	1.06	0.79
X019923	BCG_2582C	132	4	2	2	1.00	1.08	1.00	1.07	1.12	0.93	0.73
X019923	BCG_2583	72	3	2	3	1.00	0.95	0.93	1.01	1.15	1.06	1.17
X019923	BCG_2584	108	4	2	2	1.00	0.90	0.91	0.94	0.90	1.11	0.89
X019923	BCG_2585	855	33	12	21	1.00	0.92	0.84	0.96	0.99	1.09	0.88
X019923	BCG_2586	474	14	8	9	1.00	0.88	0.96	0.99	1.10	1.14	0.82
X019923	BCG_2587	382	12	7	7	1.00	0.89	0.86	1.02	1.15	1.12	0.81
X019923	BCG_2590	365	18	10	10	1.00	0.99	0.85	0.81	0.98	1.01	0.86

X019923	BCG_2591C	71	5	2	2	1.00	2.51	1.04	1.51	1.46	0.40	1.02
X019923	BCG_2592C	298	11	7	7	1.00	1.07	0.91	1.13	1.23	0.94	0.79
X019923	BCG_2594C	266	6	4	4	1.00	0.94	1.00	1.03	0.91	1.07	0.97
X019923	BCG_2595C	494	20	12	13	1.00	0.93	0.88	1.01	1.12	1.07	0.85
X019923	BCG_2596	82	2	2	2	1.00	1.00	1.05	1.27	1.21	1.01	0.63
X019923	BCG_2597	512	14	8	8	1.00	0.86	0.83	0.91	0.96	1.16	0.84
X019923	BCG_2598	118	5	2	2	1.00	0.99	1.07	1.30	1.27	1.01	1.08
X019923	BCG_2602	582	25	13	19	1.00	0.92	0.96	1.21	1.25	1.08	0.84
X019923	BCG_2603C	431	14	11	11	1.00	0.92	0.96	1.17	1.37	1.08	0.81
X019923	BCG_2604C	239	11	6	6	1.00	0.93	1.00	1.06	1.09	1.08	0.85
X019923	BCG_2605	308	15	4	11	1.00	0.92	0.78	0.77	0.76	1.08	0.93
X019923	BCG_2606C	466	19	11	11	1.00	0.86	0.85	1.14	1.02	1.17	0.88
X019923	BCG_2607C	947	27	16	21	1.00	0.91	0.88	0.91	0.93	1.10	0.71
X019923	BCG_2608C	362	10	6	7	1.00	0.92	0.90	1.18	1.12	1.09	0.95
X019923	BCG_2609C	791	20	12	14	1.00	0.88	0.81	0.90	0.89	1.14	0.85
X019923	BCG_2610C	592	26	13	15	1.00	0.89	0.80	0.84	0.82	1.13	0.85
X019923	BCG_2611C	150	5	3	4	1.00	0.84	0.85	0.96	1.10	1.19	1.08
X019923	BCG_2612	459	13	9	10	1.00	0.74	0.77	0.82	0.96	1.35	0.84
X019923	BCG_2613	240	18	8	8	1.00	0.74	0.79	0.78	0.92	1.35	0.92
X019923	BCG_2615C	209	9	5	6	1.00	0.87	1.00	1.21	1.24	1.15	0.78
X019923	BCG_2616C	435	23	8	14	1.00	0.86	0.88	1.00	1.08	1.16	0.76
X019923	BCG_2617C	164	9	5	5	1.00	0.87	0.84	0.90	0.72	1.15	0.82
X019923	BCG_2620	213	7	3	3	1.00	0.72	0.39	0.92	1.01	1.39	0.69
X019923	BCG_2628C	336	18	7	10	1.00	0.92	0.90	1.06	1.24	1.09	0.72
X019923	BCG_2629C	141	7	3	3	1.00	0.78	0.87	1.09	1.08	1.28	0.78
X019923	BCG_2630C	328	12	6	7	1.00	0.95	0.98	1.12	1.25	1.05	1.02
X019923	BCG_2631C	967	43	16	33	1.00	0.91	0.86	0.92	0.90	1.10	0.80
X019923	BCG_2632	252	6	5	5	1.00	0.90	0.92	1.23	1.37	1.11	0.73
X019923	BCG_2634C	340	9	6	6	1.00	0.94	0.92	1.18	1.14	1.06	1.04
X019923	BCG_2635C	185	5	4	4	1.00	0.96	0.91	1.03	1.04	1.04	0.85
X019923	BCG_2636C	202	7	4	4	1.00	0.86	0.79	1.01	1.17	1.16	0.81
X019923	BCG_2637C	91	7	2	2	1.00	0.81	0.81	0.88	1.07	1.24	0.96
X019923	BCG_2639C	754	27	18	20	1.00	0.92	0.96	0.96	1.05	1.08	0.79
X019923	BCG_2643	116	3	2	2	1.00	0.77	0.98	0.96	1.25	1.31	1.05
X019923	BCG_2646C	240	15	4	14	1.00	0.86	0.83	0.97	0.99	1.16	0.59
X019923	BCG_2649	837	48	12	29	1.00	0.91	0.88	0.95	0.96	1.10	0.80
X019923	BCG_2650	533	18	9	13	1.00	0.84	0.95	1.07	1.14	1.19	0.71
X019923	BCG_2651C	276	8	6	6	1.00	0.88	0.99	1.16	1.18	1.13	0.82
X019923	BCG_2652C	258	7	6	6	1.00	0.78	0.90	0.97	1.16	1.28	0.84

X019923	BCG_2653C	257	4	2	2	1.00	0.86	0.82	1.00	1.12	1.17	0.60
X019923	BCG_2654C	390	10	8	8	1.00	0.89	0.92	1.01	0.96	1.12	0.88
X019923	BCG_2656	376	13	9	11	1.00	0.97	1.08	1.21	1.40	1.03	0.86
X019923	BCG_2658	315	12	7	7	1.00	0.89	0.97	1.21	1.12	1.12	0.85
X019923	BCG_2659C	188	4	3	4	1.00	0.82	0.80	0.93	1.11	1.22	0.60
X019923	BCG_2663	76	4	2	2	1.00	0.93	0.80	1.32	1.36	1.08	0.90
X019923	BCG_2664	122	4	3	3	1.00	0.66	0.60	0.66	0.75	1.53	0.61
X019923	BCG_2668	210	6	5	6	1.00	0.82	0.88	1.07	1.05	1.22	0.69
X019923	BCG_2683C	61	2	2	2	1.00	1.03	1.07	1.17	1.41	0.98	0.79
X019923	BCG_2684	1329	184	15	92	1.00	0.43	0.82	0.74	0.77	2.31	0.71
X019923	BCG_2685	409	14	9	11	1.00	0.87	0.81	0.88	0.78	1.15	0.85
X019923	BCG_2686	147	5	3	3	1.00	0.93	0.82	0.95	0.90	1.07	1.01
X019923	BCG_2687	178	4	4	4	1.00	0.92	1.07	1.34	1.24	1.08	0.86
X019923	BCG_2688C	114	5	3	3	1.00	0.98	0.91	1.09	1.13	1.02	0.80
X019923	BCG_2689C	498	20	10	15	1.00	0.92	0.97	1.07	1.27	1.08	0.83
X019923	BCG_2690C	300	9	6	6	1.00	0.83	1.02	1.12	1.25	1.21	0.73
X019923	BCG_2691C	121	5	3	3	1.00	0.94	0.92	1.39	1.38	1.06	0.85
X019923	BCG_2692	331	12	6	9	1.00	0.99	0.91	1.04	1.23	1.01	0.76
X019923	BCG_2693	132	5	3	3	1.00	1.13	1.00	1.15	1.29	0.88	0.81
X019923	BCG_2694	152	6	4	4	1.00	0.76	0.79	1.04	0.90	1.32	0.64
X019923	BCG_2695C	300	8	7	8	1.00	1.06	1.07	1.26	1.26	0.94	1.09
X019923	BCG_2696	277	9	6	7	1.00	0.93	0.85	1.03	1.17	1.08	0.66
X019923	BCG_2697	136	6	4	5	1.00	0.70	0.78	0.83	0.74	1.43	0.96
X019923	BCG_2701C	787	28	11	18	1.00	0.77	0.75	0.76	0.82	1.30	7.49
X019923	BCG_2702C	447	13	9	12	1.00	0.92	0.84	0.94	0.87	1.09	0.81
X019923	BCG_2703C	352	7	5	5	1.00	0.93	0.76	0.87	0.96	1.07	0.96
X019923	BCG_2704	687	20	14	15	1.00	0.92	0.88	1.00	1.03	1.09	0.79
X019923	BCG_2705	310	11	5	7	1.00	0.84	0.85	0.99	0.94	1.19	0.89
X019923	BCG_2707C	227	7	4	5	1.00	0.90	0.87	1.00	1.16	1.11	0.74
X019923	BCG_2709C	392	12	8	9	1.00	0.92	0.92	1.07	1.32	1.09	0.67
X019923	BCG_2710C	162	5	3	5	1.00	0.93	1.01	1.11	1.24	1.08	0.66
X019923	BCG_2711	131	5	3	3	1.00	0.85	0.91	1.06	1.19	1.18	0.92
X019923	BCG_2712C	259	10	4	6	1.00	0.97	0.89	1.01	1.08	1.03	0.50
X019923	BCG_2713	171	7	4	6	1.00	0.75	0.79	0.80	0.86	1.34	0.75
X019923	BCG_2714C	269	7	5	5	1.00	0.81	0.77	0.96	0.95	1.23	0.72
X019923	BCG_2715	389	16	7	9	1.00	0.81	0.86	0.90	0.93	1.23	0.83
X019923	BCG_2716	1181	47	20	28	1.00	0.95	0.90	0.95	1.04	1.05	0.80
X019923	BCG_2717	86	3	2	2	1.00	0.97	0.96	1.15	1.53	1.03	0.97
X019923	BCG_2723	542	12	9	9	1.00	0.89	0.85	1.00	1.18	1.13	0.78

X019923	BCG_2724	647	23	11	20	1.00	0.85	0.87	1.06	1.15	1.18	0.66
X019923	BCG_2726	403	11	8	8	1.00	0.93	1.02	1.16	1.13	1.08	0.95
X019923	BCG_2727	356	11	7	8	1.00	0.83	0.84	0.88	1.40	1.20	0.90
X019923	BCG_2728	269	10	7	7	1.00	0.84	0.97	1.07	1.39	1.20	0.86
X019923	BCG_2729	107	3	2	2	1.00	0.82	0.73	1.13	1.11	1.22	0.67
X019923	BCG_2731C	410	20	9	12	1.00	0.97	0.85	1.00	0.85	1.03	0.81
X019923	BCG_2734C	997	27	15	21	1.00	0.92	0.78	0.71	0.68	1.09	0.93
X019923	BCG_2736	51	5	2	2	1.00	1.01	0.77	0.96	0.79	0.99	0.94
X019923	BCG_2737C	56	4	2	2	1.00	1.03	0.74	0.93	0.75	0.97	0.75
X019923	BCG_2739C	282	9	5	5	1.00	0.86	0.96	0.99	1.17	1.16	0.74
X019923	BCG_2740C	287	10	5	5	1.00	0.95	1.00	1.16	1.39	1.05	1.07
X019923	BCG_2744	1007	36	20	21	1.00	0.90	0.85	0.96	0.93	1.12	0.86
X019923	BCG_2745C	257	7	6	6	1.00	0.87	0.94	1.04	1.11	1.15	0.99
X019923	BCG_2750C	821	32	16	20	1.00	0.86	0.86	0.96	0.93	1.17	0.84
X019923	BCG_2753C	135	6	3	3	1.00	0.92	1.02	1.28	1.07	1.09	0.99
X019923	BCG_2754	334	13	6	9	1.00	0.89	0.96	1.12	1.33	1.13	0.86
X019923	BCG_2759C	388	12	8	8	1.00	0.81	0.72	0.86	0.76	1.24	0.96
X019923	BCG_2760C	1747	126	24	90	1.00	0.85	0.76	0.86	0.74	1.17	0.76
X019923	BCG_2764C	321	14	7	7	1.00	0.71	0.61	0.80	0.76	1.41	0.85
X019923	BCG_2767	562	20	12	14	1.00	0.87	0.79	0.89	0.91	1.16	0.87
X019923	BCG_2768C	665	24	16	18	1.00	0.85	0.96	0.92	0.76	1.17	0.70
X019923	BCG_2769C	414	15	7	9	1.00	0.99	0.93	1.20	1.26	1.01	0.80
X019923	BCG_2770C	400	16	10	12	1.00	0.87	0.93	1.14	1.08	1.15	0.68
X019923	BCG_2780C	933	306	13	182	1.00	0.28	0.85	0.94	0.95	3.56	0.86
X019923	BCG_2781C	219	8	4	6	1.00	0.92	0.90	1.03	1.13	1.09	0.70
X019923	BCG_2782	622	23	11	15	1.00	0.88	0.79	0.85	0.79	1.14	0.79
X019923	BCG_2783C	428	15	7	11	1.00	0.91	0.94	1.21	1.15	1.10	1.00
X019923	BCG_2789C	143	4	3	3	1.00	0.86	0.97	1.15	0.90	1.16	0.91
X019923	BCG_2790C	299	15	8	11	1.00	1.07	1.16	1.26	1.37	0.94	0.88
X019923	BCG_2792	36	2	2	2	1.00	2.57	2.11	2.69	5.60	0.39	2.40
X019923	BCG_2795C	417	20	8	10	1.00	0.81	0.84	0.94	0.92	1.23	0.75
X019923	BCG_2799C	137	5	3	3	1.00	0.94	0.90	1.14	1.16	1.07	0.81
X019923	BCG_2800C	819	23	14	18	1.00	0.95	0.92	1.00	1.02	1.05	0.83
X019923	BCG_2801C	2591	203	42	139	1.00	0.90	0.76	0.74	0.62	1.11	0.75
X019923	BCG_2803C	310	24	6	16	1.00	0.83	0.77	0.86	0.71	1.20	0.71
X019923	BCG_2804C	111	5	3	4	1.00	0.95	0.75	0.88	1.17	1.06	0.92
X019923	BCG_2806	258	13	6	8	1.00	0.93	0.91	1.07	1.17	1.08	0.79
X019923	BCG_2807C	454	18	10	10	1.00	0.83	0.89	1.06	1.09	1.20	0.82
X019923	BCG_2808C	356	14	9	12	1.00	0.98	1.00	1.10	1.33	1.02	0.84

X019923	BCG_2809C	97	7	3	3	1.00	0.84	0.82	0.93	0.83	1.19	0.84
X019923	BCG_2811C	688	23	13	18	1.00	1.04	0.88	0.89	0.87	0.96	0.81
X019923	BCG_2812C	211	7	4	4	1.00	0.91	0.95	1.06	1.12	1.10	0.75
X019923	BCG_2813C	435	23	9	12	1.00	0.87	0.83	0.81	0.89	1.15	2.88
X019923	BCG_2820C	459	11	8	8	1.00	0.98	0.83	0.92	0.98	1.03	0.84
X019923	BCG_2840C	364	11	7	7	1.00	0.84	0.80	0.89	0.95	1.19	0.82
X019923	BCG_2842C	226	13	6	6	1.00	1.00	0.89	1.02	0.92	1.00	0.79
X019923	BCG_2843C	263	10	8	8	1.00	0.94	0.93	1.06	1.03	1.07	0.98
X019923	BCG_2845C	122	5	4	4	1.00	0.94	0.91	1.36	1.17	1.07	0.84
X019923	BCG_2851	670	21	12	18	1.00	0.96	0.93	1.02	1.22	1.04	0.92
X019923	BCG_2857C	711	13	9	9	1.00	0.84	0.84	1.02	1.21	1.19	0.73
X019923	BCG_2858C	156	8	4	5	1.00	0.79	0.89	0.98	1.03	1.26	0.69
X019923	BCG_2859C	1984	66	33	45	1.00	0.86	0.74	0.65	0.89	1.17	0.71
X019923	BCG_2861C	483	19	12	13	1.00	0.82	0.93	1.11	1.19	1.21	0.71
X019923	BCG_2862C	812	25	13	17	1.00	0.90	0.77	0.84	0.86	1.11	0.74
X019923	BCG_2863	110	4	3	3	1.00	0.87	0.96	1.00	1.17	1.14	0.73
X019923	BCG_2864	60	2	2	2	1.00	0.70	0.79	1.28	1.12	1.43	0.77
X019923	BCG_2865C	838	28	16	16	1.00	0.90	0.98	1.13	1.22	1.11	0.90
X019923	BCG_2867C	197	7	5	5	1.00	1.06	0.99	1.18	1.40	0.95	0.89
X019923	BCG_2868C	134	6	4	4	1.00	0.89	0.75	0.86	1.07	1.12	1.02
X019923	BCG_2871C	110	3	2	2	1.00	0.94	1.37	1.80	1.39	1.06	1.23
X019923	BCG_2872C	318	12	7	8	1.00	0.94	0.80	0.89	0.93	1.06	0.71
X019923	BCG_2875	611	23	15	17	1.00	0.90	0.89	1.04	1.12	1.11	0.81
X019923	BCG_2879C	140	4	3	3	1.00	0.89	0.89	1.11	1.25	1.12	0.80
X019923	BCG_2880C	475	13	9	9	1.00	0.97	0.97	1.17	1.15	1.03	0.88
X019923	BCG_2881C	277	9	6	6	1.00	0.93	0.95	1.17	1.34	1.08	0.82
X019923	BCG_2882C	1867	245	25	153	1.00	0.85	0.77	0.81	0.76	1.18	0.72
X019923	BCG_2883C	278	10	6	8	1.00	0.90	0.94	1.11	1.29	1.11	0.70
X019923	BCG_2890C	927	29	14	20	1.00	0.86	0.93	1.07	1.21	1.17	0.73
X019923	BCG_2891C	536	13	9	10	1.00	0.87	0.83	0.93	1.04	1.14	0.96
X019923	BCG_2892C	127	4	2	2	1.00	1.17	1.23	1.23	1.47	0.86	0.73
X019923	BCG_2893	99	2	2	2	1.00	0.79	0.86	0.97	0.64	1.27	0.67
X019923	BCG_2897	154	2	2	2	1.00	0.94	0.93	1.06	1.19	1.07	0.67
X019923	BCG_2899C	152	7	2	2	1.00	0.73	0.89	1.01	1.12	1.38	1.19
X019923	BCG_2900C	78	3	3	3	1.00	0.73	0.77	0.74	1.06	1.37	0.66
X019923	BCG_2901C	553	18	12	13	1.00	0.96	0.86	1.09	0.92	1.04	0.82
X019923	BCG_2902C	88	6	2	2	1.00	0.72	0.71	0.75	0.82	1.39	0.64
X019923	BCG_2903C	662	23	14	17	1.00	0.90	0.91	1.14	1.22	1.11	0.65
X019923	BCG_2904C	388	13	7	11	1.00	0.91	0.91	1.01	1.15	1.10	0.86

X019923	BCG_2905	156	5	2	2	1.00	0.99	0.92	1.08	0.95	1.01	0.75
X019923	BCG_2908	99	11	2	2	1.00	0.56	0.49	0.60	0.64	1.78	0.43
X019923	BCG_2909C	907	45	16	29	1.00	0.90	0.95	1.19	1.17	1.12	0.63
X019923	BCG_2910C	1408	60	23	48	1.00	0.89	0.95	1.11	1.27	1.13	0.74
X019923	BCG_2911C	1052	70	18	51	1.00	0.95	0.96	1.07	1.01	1.05	0.81
X019923	BCG_2914	383	12	6	7	1.00	0.97	0.85	1.08	1.05	1.03	0.84
X019923	BCG_2916C	352	9	7	9	1.00	0.91	1.00	1.23	1.37	1.10	0.78
X019923	BCG_2922C	350	11	6	7	1.00	0.81	0.87	0.95	1.08	1.23	0.70
X019923	BCG_2924C	350	12	7	9	1.00	0.83	0.86	1.02	1.09	1.21	0.77
X019923	BCG_2925C	656	51	13	28	1.00	0.90	0.79	0.89	0.85	1.11	0.77
X019923	BCG_2927C	171	7	4	4	1.00	0.79	0.83	1.07	1.12	1.27	0.62
X019923	BCG_2928C	44	2	2	2	1.00	1.02	1.29	1.32	1.28	0.98	1.09
X019923	BCG_2929C	519	17	8	16	1.00	0.83	0.84	0.90	0.89	1.20	0.74
X019923	BCG_2930C	394	36	8	24	1.00	0.87	0.76	0.84	0.75	1.15	0.71
X019923	BCG_2934C	269	10	4	4	1.00	0.87	0.94	1.04	1.05	1.15	1.01
X019923	BCG_2935C	133	5	3	3	1.00	0.92	0.93	0.97	0.98	1.09	0.91
X019923	BCG_2936C	194	5	4	4	1.00	0.82	0.95	0.83	0.77	1.22	0.93
X019923	BCG_2937C	1058	27	17	21	1.00	0.96	0.92	1.00	1.13	1.04	0.70
X019923	BCG_2938	242	9	5	6	1.00	0.79	0.94	0.98	0.90	1.27	0.84
X019923	BCG_2939C	83	4	2	2	1.00	0.81	1.33	0.92	1.07	1.23	1.13
X019923	BCG_2940C	152	6	3	3	1.00	0.87	0.96	1.19	1.38	1.15	0.75
X019923	BCG_2942C	688	23	14	19	1.00	0.90	0.88	0.92	0.99	1.11	0.96
X019923	BCG_2943C	2097	58	37	41	1.00	0.82	0.72	0.73	0.62	1.22	0.94
X019923	BCG_2944C	230	7	4	5	1.00	0.90	0.91	1.05	1.11	1.11	0.70
X019923	BCG_2945C	205	7	6	7	1.00	0.87	0.88	1.18	1.09	1.15	0.69
X019923	BCG_2946C	69	3	2	2	1.00	0.91	0.50	0.29	1.37	1.10	0.66
X019923	BCG_2947C	259	6	5	5	1.00	0.92	0.94	1.09	1.23	1.08	0.75
X019923	BCG_2948C	122	6	3	3	1.00	0.93	0.62	0.82	0.79	1.08	0.87
X019923	BCG_2949C	855	34	18	26	1.00	0.87	0.86	0.91	0.83	1.15	0.85
X019923	BCG_2950	348	14	7	10	1.00	0.89	0.97	1.16	1.30	1.13	0.69
X019923	BCG_2952	688	29	12	15	1.00	0.52	0.53	0.68	0.66	1.92	0.45
X019923	BCG_2954	101	8	2	2	1.00	0.82	0.79	0.87	0.78	1.22	1.15
X019923	BCG_2955	566	30	12	12	1.00	0.92	0.80	0.95	0.92	1.08	1.04
X019923	BCG_2956	493	21	9	9	1.00	0.74	0.74	0.85	0.75	1.36	1.17
X019923	BCG_2957	1263	44	29	30	1.00	0.81	0.77	0.81	0.85	1.24	1.01
X019923	BCG_2958	324	13	8	11	1.00	0.84	0.84	0.95	0.93	1.19	0.75
X019923	BCG_2959	131	5	4	4	1.00	0.87	0.73	0.87	0.74	1.15	0.92
X019923	BCG_2960	124	6	5	5	1.00	0.89	0.88	1.00	1.01	1.13	1.10
X019923	BCG_2961	124	4	3	3	1.00	1.03	1.16	1.08	1.41	0.97	0.72

X019923	BCG_2962C	5609	242	86	147	1.00	0.82	0.71	0.71	0.68	1.22	1.00
X019923	BCG_2963	944	37	15	19	1.00	0.93	0.95	1.06	1.15	1.08	0.72
X019923	BCG_2964	869	33	17	24	1.00	0.83	0.78	0.97	0.72	1.21	1.11
X019923	BCG_2967C	749	21	11	17	1.00	0.90	0.91	1.03	1.22	1.11	0.73
X019923	BCG_2968C	2219	72	43	51	1.00	0.81	0.71	0.71	0.68	1.24	0.92
X019923	BCG_2969C	1096	31	19	20	1.00	0.87	0.91	0.97	0.90	1.14	0.91
X019923	BCG_2970C	424	13	7	8	1.00	0.92	0.99	1.15	1.24	1.09	0.77
X019923	BCG_2971C	619	20	13	14	1.00	0.94	0.95	1.12	1.23	1.06	0.81
X019923	BCG_2972C	1002	38	19	29	1.00	0.88	0.88	0.99	1.07	1.13	0.83
X019923	BCG_2973	371	12	9	9	1.00	0.83	0.96	1.13	1.32	1.20	0.77
X019923	BCG_2974	1133	57	17	24	1.00	0.87	0.80	0.95	1.04	1.15	0.76
X019923	BCG_2975C	157	6	5	6	1.00	1.05	0.98	1.10	1.10	0.96	0.94
X019923	BCG_2976C	280	8	6	6	1.00	0.91	1.09	1.27	1.29	1.09	0.80
X019923	BCG_2977	120	8	3	3	1.00	0.94	0.90	1.09	1.03	1.06	0.84
X019923	BCG_2978	259	8	5	6	1.00	0.87	0.87	0.92	0.91	1.15	0.84
X019923	BCG_2979C	94	4	2	2	1.00	0.86	0.59	0.89	0.96	1.16	0.70
X019923	BCG_2980C	262	10	6	6	1.00	0.94	0.75	0.95	1.08	1.06	0.91
X019923	BCG_2983C	529	24	9	12	1.00	0.89	0.81	1.03	0.87	1.13	0.89
X019923	BCG_2984	168	6	4	5	1.00	0.93	0.83	1.01	0.92	1.07	0.95
X019923	BCG_2985	705	39	13	28	1.00	0.83	0.85	0.85	0.76	1.21	0.64
X019923	BCG_2986C	100	8	2	2	1.00	0.84	0.94	1.04	1.30	1.19	0.86
X019923	BCG_2987C	251	10	7	8	1.00	1.00	1.08	1.25	1.36	1.00	0.89
X019923	BCG_2988C	1153	46	25	29	1.00	0.79	0.79	0.79	0.80	1.27	1.04
X019923	BCG_2990C	750	22	11	16	1.00	0.91	0.95	1.07	1.21	1.10	0.86
X019923	BCG_2991C	548	15	9	10	1.00	0.96	1.03	1.19	1.34	1.04	0.97
X019923	BCG_2993	801	33	11	22	1.00	0.88	0.93	1.28	1.25	1.13	0.69
X019923	BCG_2994C	76	3	2	2	1.00	0.93	1.17	1.11	1.18	1.08	1.29
X019923	BCG_2996C	348	6	6	6	1.00	0.96	0.95	1.00	1.00	1.04	0.96
X019923	BCG_2997C	138	7	4	6	1.00	0.91	0.91	0.97	1.11	1.10	0.58
X019923	BCG_2998C	126	3	3	3	1.00	0.85	1.01	1.14	1.21	1.18	0.85
X019923	BCG_3001	59	3	2	2	1.00	0.81	0.57	1.23	1.17	1.23	0.78
X019923	BCG_3002C	844	44	14	33	1.00	0.88	0.86	0.87	0.74	1.13	0.76
X019923	BCG_3003C	187	7	4	4	1.00	0.85	0.94	0.89	1.43	1.18	0.81
X019923	BCG_3005	1077	45	23	29	1.00	0.92	0.94	1.06	1.15	1.09	0.77
X019923	BCG_3006	442	16	10	10	1.00	0.87	0.85	0.96	0.99	1.15	0.85
X019923	BCG_3007C	271	5	4	4	1.00	1.72	0.78	0.80	1.06	0.58	0.84
X019923	BCG_3008C	706	28	10	21	1.00	0.92	1.00	1.08	1.25	1.09	0.75
X019923	BCG_3009C	1195	47	20	33	1.00	0.90	0.91	1.19	1.16	1.11	0.77
X019923	BCG_3010	1269	43	20	32	1.00	1.03	0.85	0.95	1.01	0.97	0.67

X019923	BCG_3013C	719	24	13	17	1.00	0.95	0.95	1.17	1.32	1.06	0.84
X019923	BCG_3014C	196	10	5	7	1.00	0.88	0.96	1.28	1.29	1.14	0.80
X019923	BCG_3016C	671	21	11	16	1.00	0.89	0.89	0.98	1.08	1.13	0.74
X019923	BCG_3017C	1527	53	22	39	1.00	0.92	0.92	0.96	1.01	1.09	0.85
X019923	BCG_3018	91	5	2	2	1.00	1.15	1.32	1.69	1.52	0.87	1.34
X019923	BCG_3021	397	14	8	8	1.00	0.78	0.88	1.04	1.04	1.28	0.90
X019923	BCG_3023C	809	33	17	22	1.00	0.92	0.98	1.19	1.33	1.09	0.85
X019923	BCG_3024C	497	16	12	14	1.00	0.88	0.86	0.96	1.11	1.13	0.81
X019923	BCG_3025C	406	16	10	12	1.00	0.88	0.95	0.94	1.14	1.14	0.85
X019923	BCG_3027C	147	3	3	3	1.00	0.93	0.85	0.99	1.01	1.08	0.85
X019923	BCG_3028	318	9	5	7	1.00	0.88	0.93	0.90	1.19	1.14	0.90
X019923	BCG_3031C	932	30	16	18	1.00	0.89	0.90	1.03	1.11	1.13	0.75
X019923	BCG_3032C	566	23	12	18	1.00	0.96	0.99	1.23	1.38	1.04	0.81
X019923	BCG_3033C	835	29	15	17	1.00	0.90	0.92	1.10	1.22	1.11	0.78
X019923	BCG_3034C	183	5	3	4	1.00	0.85	0.83	0.97	1.08	1.18	0.79
X019923	BCG_3035	202	5	4	4	1.00	0.75	0.84	0.94	0.98	1.33	0.66
X019923	BCG_3036C	477	17	10	10	1.00	0.90	1.03	1.22	1.19	1.11	0.84
X019923	BCG_3037C	258	9	6	6	1.00	0.80	0.89	1.16	1.25	1.26	0.78
X019923	BCG_3048C	81	3	2	2	1.00	0.91	0.90	1.22	1.34	1.10	0.81
X019923	BCG_3050C	77	2	2	2	1.00	0.74	1.05	0.94	0.95	1.35	1.07
X019923	BCG_3051C	855	22	12	15	1.00	0.90	0.97	1.15	1.33	1.11	0.71
X019923	BCG_3052C	932	41	19	31	1.00	0.86	0.96	1.12	1.29	1.16	0.67
X019923	BCG_3054	812	29	19	23	1.00	0.92	0.89	1.23	0.95	1.09	2.00
X019923	BCG_3056	163	9	4	5	1.00	0.81	0.95	1.12	1.08	1.24	0.51
X019923	BCG_3057	77	5	2	3	1.00	0.83	0.76	0.72	0.87	1.21	0.68
X019923	BCG_3058C	615	28	13	20	1.00	0.88	0.89	0.84	1.04	1.14	1.04
X019923	BCG_3059	226	10	6	9	1.00	0.87	0.81	1.03	0.98	1.15	0.85
X019923	BCG_3061C	124	5	4	4	1.00	0.96	1.78	1.27	1.22	1.04	0.96
X019923	BCG_3062C	353	11	7	8	1.00	0.91	0.89	1.02	1.14	1.10	1.01
X019923	BCG_3063C	485	12	8	11	1.00	0.93	0.80	0.86	0.89	1.07	1.41
X019923	BCG_3064C	178	6	4	4	1.00	0.95	0.98	1.18	1.29	1.05	0.75
X019923	BCG_3065C	222	7	5	6	1.00	1.03	1.15	1.18	0.92	0.97	1.01
X019923	BCG_3066C	601	15	10	12	1.00	0.87	0.90	1.08	1.27	1.15	0.79
X019923	BCG_3067C	238	18	6	13	1.00	0.79	0.80	0.84	0.90	1.26	0.84
X019923	BCG_3068	430	12	8	11	1.00	0.97	0.92	1.01	0.99	1.03	0.92
X019923	BCG_3069	949	49	16	37	1.00	0.87	0.87	1.05	1.16	1.15	0.69
X019923	BCG_3070C	124	3	2	2	1.00	0.85	0.83	1.12	1.10	1.18	0.59
X019923	BCG_3072C	548	21	11	12	1.00	0.88	1.02	1.20	1.32	1.14	0.81
X019923	BCG_3073C	462	17	11	11	1.00	0.85	0.81	1.05	1.08	1.18	0.70

X019923	BCG_3074C	435	24	8	17	1.00	0.94	0.99	1.12	1.23	1.06	0.88
X019923	BCG_3075C	1148	42	23	31	1.00	0.92	0.95	1.13	1.12	1.09	0.84
X019923	BCG_3079C	290	10	6	7	1.00	0.88	0.90	1.01	1.13	1.13	0.76
X019923	BCG_3082C	623	17	13	15	1.00	0.91	0.95	0.97	1.09	1.10	0.89
X019923	BCG_3083C	186	7	4	4	1.00	1.07	0.97	1.16	1.06	0.94	0.97
X019923	BCG_3086C	66	2	2	2	1.00	0.92	0.96	1.10	1.08	1.08	1.03
X019923	BCG_3087	173	22	5	5	1.00	1.03	0.77	0.89	0.78	0.97	0.92
X019923	BCG_3093C	403	16	9	10	1.00	0.94	1.05	1.10	1.23	1.06	0.91
X019923	BCG_3094	78	2	2	2	1.00	0.81	0.95	1.01	0.97	1.24	0.76
X019923	BCG_3096	107	6	3	3	1.00	0.92	0.89	1.00	0.98	1.09	0.94
X019923	BCG_3100C	835	28	13	25	1.00	0.91	0.97	1.02	1.14	1.10	0.81
X019923	BCG_3101	85	8	3	4	1.00	0.90	0.93	0.96	1.03	1.11	0.80
X019923	BCG_3102	620	24	15	18	1.00	0.87	0.90	0.99	1.06	1.14	0.93
X019923	BCG_3104C	396	11	8	9	1.00	0.91	0.90	1.02	1.20	1.10	0.94
X019923	BCG_3107C	202	7	6	6	1.00	1.02	0.72	1.04	1.17	0.98	1.07
X019923	BCG_3114	206	10	5	5	1.00	0.92	0.93	1.18	1.11	1.09	0.82
X019923	BCG_3115	475	16	7	10	1.00	0.87	0.81	0.82	0.78	1.15	0.97
X019923	BCG_3116	1040	28	16	20	1.00	1.02	0.88	0.97	0.99	0.98	0.91
X019923	BCG_3117C	205	5	3	3	1.00	1.02	1.28	1.03	1.21	0.98	1.08
X019923	BCG_3118C	419	13	8	9	1.00	0.81	0.92	0.92	0.88	1.23	0.70
X019923	BCG_3119C	274	6	6	6	1.00	0.88	0.97	1.09	1.17	1.14	0.90
X019923	BCG_3124C	755	35	13	24	1.00	0.92	0.85	1.05	1.16	1.09	6.08
X019923	BCG_3125C	119	7	3	4	1.00	0.92	0.84	0.88	0.85	1.08	0.74
X019923	BCG_3126C	281	13	7	11	1.00	0.89	0.90	1.05	1.02	1.13	0.95
X019923	BCG_3127C	717	34	14	22	1.00	0.89	0.84	0.92	0.93	1.12	0.78
X019923	BCG_3129C	405	9	7	7	1.00	0.91	0.84	0.88	1.02	1.10	0.91
X019923	BCG_3130C	611	17	9	9	1.00	0.95	1.08	1.21	1.39	1.05	0.81
X019923	BCG_3131	388	13	7	8	1.00	0.86	0.93	1.10	1.29	1.17	0.67
X019923	BCG_3132C	115	6	2	2	1.00	0.50	1.07	0.88	0.81	2.01	0.52
X019923	BCG_3141	188	6	3	3	1.00	0.88	0.95	0.78	0.76	1.14	0.91
X019923	BCG_3142	1137	48	22	41	1.00	0.85	0.95	1.07	1.23	1.17	0.66
X019923	BCG_3149	334	12	8	8	1.00	0.95	0.99	1.13	1.03	1.05	0.91
X019923	BCG_3153C	330	13	8	9	1.00	0.86	0.72	0.82	0.81	1.16	0.77
X019923	BCG_3154	262	9	6	6	1.00	0.78	0.88	1.01	1.21	1.27	0.73
X019923	BCG_3155C	295	13	6	6	1.00	0.95	0.91	0.88	0.96	1.05	0.82
X019923	BCG_3156C	437	18	8	11	1.00	0.84	0.88	1.00	1.12	1.20	0.68
X019923	BCG_3157C	328	13	6	6	1.00	0.85	0.93	1.04	1.07	1.18	0.88
X019923	BCG_3158	264	14	6	10	1.00	0.91	0.83	0.87	0.76	1.10	0.84
X019923	BCG_3160	295	8	6	6	1.00	0.84	0.86	1.04	0.87	1.18	1.27

X019923	BCG_3162	976	29	16	18	1.00	0.90	0.97	1.04	1.14	1.11	0.92
X019923	BCG_3163	802	32	15	21	1.00	0.92	0.91	0.95	1.06	1.08	0.91
X019923	BCG_3164	393	11	8	11	1.00	0.95	0.97	1.16	1.32	1.05	0.76
X019923	BCG_3166	233	10	4	7	1.00	0.96	0.96	1.02	1.09	1.04	0.69
X019923	BCG_3168	130	4	3	3	1.00	0.68	0.71	0.73	0.84	1.47	0.80
X019923	BCG_3169	462	17	7	12	1.00	0.90	0.89	0.98	1.11	1.12	0.84
X019923	BCG_3170	314	14	8	10	1.00	0.89	0.90	1.08	1.18	1.12	0.84
X019923	BCG_3171	500	15	10	10	1.00	0.83	0.77	0.91	0.97	1.20	0.81
X019923	BCG_3172	386	12	7	9	1.00	0.91	0.85	1.05	1.08	1.10	0.84
X019923	BCG_3173	620	22	10	14	1.00	0.83	0.88	0.94	1.19	1.21	0.83
X019923	BCG_3174	1067	35	21	25	1.00	1.00	0.94	0.92	1.00	1.00	0.91
X019923	BCG_3175	151	5	2	3	1.00	0.83	0.88	0.91	1.04	1.20	1.15
X019923	BCG_3176	290	10	6	7	1.00	0.95	0.97	1.32	1.22	1.05	0.81
X019923	BCG_3178	193	4	3	3	1.00	0.97	0.87	0.88	0.90	1.03	0.83
X019923	BCG_3179	223	12	4	7	1.00	0.89	0.96	0.94	0.91	1.12	0.94
X019923	BCG_3180	170	6	3	4	1.00	0.81	0.77	0.88	0.95	1.23	0.99
X019923	BCG_3181	331	11	6	9	1.00	0.92	0.79	0.96	0.91	1.09	0.98
X019923	BCG_3184C	224	7	5	5	1.00	0.82	1.10	1.14	1.37	1.22	0.98
X019923	BCG_3185C	725	36	11	20	1.00	0.95	0.93	1.08	1.26	1.06	0.80
X019923	BCG_3192	56	3	2	2	1.00	0.84	0.90	0.89	0.94	1.20	0.63
X019923	BCG_3193	244	10	7	7	1.00	0.79	0.91	1.00	1.00	1.27	0.77
X019923	BCG_3194	71	6	2	2	1.00	1.09	1.03	2.03	1.82	0.92	1.86
X019923	BCG_3197C	84	5	2	3	1.00	0.79	0.58	0.92	0.86	1.27	0.75
X019923	BCG_3207C	56	2	2	2	1.00	0.82	1.08	1.15	1.23	1.21	0.58
X019923	BCG_3212C	69	6	2	2	1.00	0.92	0.63	0.82	0.93	1.09	0.58
X019923	BCG_3215C	1899	73	31	49	1.00	0.82	0.72	0.66	0.64	1.22	1.05
X019923	BCG_3216C	266	8	5	6	1.00	0.92	0.98	0.98	1.06	1.08	0.93
X019923	BCG_3219C	86	2	2	2	1.00	1.27	1.26	1.24	1.80	0.79	1.06
X019923	BCG_3220	409	23	9	9	1.00	1.12	1.04	1.31	1.56	0.89	1.02
X019923	BCG_3222C	465	16	10	10	1.00	0.98	0.82	0.92	0.93	1.03	0.84
X019923	BCG_3223	279	7	5	7	1.00	0.86	0.89	1.18	1.05	1.16	0.68
X019923	BCG_3224C	173	4	4	4	1.00	0.70	0.92	0.85	1.24	1.42	0.75
X019923	BCG_3225C	686	23	10	14	1.00	0.88	0.88	0.97	1.00	1.13	0.82
X019923	BCG_3231C	347	16	8	11	1.00	1.09	1.01	1.21	1.28	0.92	0.71
X019923	BCG_3232C	649	22	11	14	1.00	0.93	0.92	1.12	1.22	1.08	0.81
X019923	BCG_3233C	132	6	4	4	1.00	0.83	0.85	0.91	0.90	1.21	0.75
X019923	BCG_3234	207	9	4	6	1.00	0.97	1.07	1.21	1.37	1.03	0.77
X019923	BCG_3235C	389	7	6	7	1.00	0.93	0.88	1.03	1.11	1.08	0.64
X019923	BCG_3237C	226	10	6	7	1.00	0.81	0.92	1.07	1.13	1.23	0.67

X019923	BCG_3238	1065	46	19	27	1.00	0.98	1.01	1.05	0.99	1.02	0.80
X019923	BCG_3239	122	7	3	3	1.00	0.73	0.87	1.34	1.15	1.38	1.03
X019923	BCG_3240C	434	20	9	10	1.00	0.86	0.81	0.90	0.87	1.17	0.78
X019923	BCG_3245	568	16	11	13	1.00	0.95	0.88	1.08	1.21	1.06	0.88
X019923	BCG_3251C	587	24	11	18	1.00	0.87	0.92	1.06	1.22	1.15	0.70
X019923	BCG_3252	891	57	13	45	1.00	0.89	0.94	1.09	1.31	1.12	0.71
X019923	BCG_3255C	1356	32	24	28	1.00	0.89	0.88	0.87	0.82	1.12	0.71
X019923	BCG_3257	664	17	12	12	1.00	0.95	1.01	1.22	1.38	1.05	0.72
X019923	BCG_3259C	381	16	11	14	1.00	0.84	0.77	0.92	0.83	1.18	0.73
X019923	BCG_3260C	164	6	3	3	1.00	0.89	0.80	0.97	0.90	1.12	0.70
X019923	BCG_3261C	146	4	2	3	1.00	0.90	0.98	1.42	1.39	1.12	0.76
X019923	BCG_3263C	321	15	5	6	1.00	0.86	0.78	1.04	1.23	1.16	0.78
X019923	BCG_3266C	96	2	2	2	1.00	0.93	0.86	1.09	1.23	1.08	0.74
X019923	BCG_3267C	101	3	3	3	1.00	0.88	0.91	0.93	1.02	1.13	1.01
X019923	BCG_3269C	1847	61	33	41	1.00	0.87	0.75	0.69	0.80	1.15	0.74
X019923	BCG_3270C	333	10	6	8	1.00	0.88	0.79	0.79	0.76	1.13	0.48
X019923	BCG_3273C	367	13	8	8	1.00	0.89	0.82	0.94	0.90	1.12	0.76
X019923	BCG_3274C	331	12	6	6	1.00	0.93	0.70	0.83	0.91	1.07	0.94
X019923	BCG_3275C	707	27	10	17	1.00	0.92	0.99	1.19	1.39	1.08	0.72
X019923	BCG_3276C	209	6	6	6	1.00	0.89	0.90	0.95	1.10	1.12	0.87
X019923	BCG_3277C	1721	117	31	87	1.00	0.87	0.88	0.99	1.14	1.16	0.78
X019923	BCG_3278C	79	4	3	3	1.00	1.05	1.21	1.91	1.56	0.95	0.84
X019923	BCG_3283	168	6	4	4	1.00	0.81	0.87	0.87	0.86	1.24	0.85
X019923	BCG_3284C	214	12	5	6	1.00	0.99	0.96	1.29	1.31	1.01	0.87
X019923	BCG_3285C	689	17	13	14	1.00	0.86	0.77	0.92	0.94	1.17	0.77
X019923	BCG_3286C	329	11	8	9	1.00	0.90	1.00	1.14	1.25	1.11	0.73
X019923	BCG_3288	162	11	2	3	1.00	0.83	0.79	0.88	1.06	1.20	0.65
X019923	BCG_3289C	79	2	2	2	1.00	0.88	0.74	0.90	0.97	1.14	0.41
X019923	BCG_3290	165	10	4	4	1.00	0.86	1.02	0.91	1.20	1.16	1.29
X019923	BCG_3291	340	10	7	7	1.00	1.00	0.93	1.11	1.12	1.00	0.83
X019923	BCG_3293C	639	20	12	14	1.00	0.95	0.95	1.16	1.28	1.05	0.82
X019923	BCG_3294C	518	14	8	9	1.00	0.94	0.87	1.03	1.05	1.07	0.72
X019923	BCG_3295C	251	9	7	7	1.00	0.72	0.86	1.00	1.12	1.39	0.72
X019923	BCG_3296	274	5	3	3	1.00	0.96	0.89	1.07	1.14	1.04	0.81
X019923	BCG_3298	475	17	7	14	1.00	0.86	0.87	1.06	1.04	1.16	0.69
X019923	BCG_3299	1092	36	19	23	1.00	0.90	0.85	0.91	0.79	1.11	0.83
X019923	BCG_3300C	82	3	3	3	1.00	0.82	0.83	0.98	0.96	1.22	1.14
X019923	BCG_3302	532	18	9	13	1.00	0.87	0.76	0.84	0.76	1.15	0.94
X019923	BCG_3303C	1242	60	21	46	1.00	0.92	0.93	1.09	1.24	1.08	0.81

X019923	BCG_3304C	281	9	6	7	1.00	0.83	0.90	1.03	1.03	1.21	0.69
X019923	BCG_3305C	2422	459	30	273	1.00	0.70	0.79	0.80	0.75	1.43	0.68
X019923	BCG_3307C	124	5	2	2	1.00	0.80	0.94	1.13	1.28	1.25	0.85
X019923	BCG_3308C	230	6	4	4	1.00	0.81	0.97	0.93	1.22	1.23	0.62
X019923	BCG_3309	2079	158	31	122	1.00	0.88	0.83	0.84	0.77	1.14	0.73
X019923	BCG_3310	128	14	3	10	1.00	0.87	0.83	0.82	0.68	1.15	0.55
X019923	BCG_3311	70	4	2	2	1.00	0.65	0.65	0.92	0.93	1.54	0.54
X019923	BCG_3312	801	30	16	22	1.00	0.78	0.94	1.05	1.08	1.28	0.70
X019923	BCG_3314	2851	259	40	183	1.00	0.84	0.80	0.79	0.68	1.19	0.63
X019923	BCG_3315C	420	14	8	10	1.00	0.92	0.82	0.93	0.92	1.08	0.86
X019923	BCG_3316C	264	7	5	5	1.00	0.92	0.93	1.18	1.13	1.09	0.77
X019923	BCG_3321	613	22	15	16	1.00	0.90	0.95	1.12	1.18	1.11	0.71
X019923	BCG_3322	841	24	16	18	1.00	0.94	0.94	1.15	1.32	1.06	0.88
X019923	BCG_3324	713	24	16	17	1.00	0.95	1.01	1.18	1.32	1.05	0.85
X019923	BCG_3325	1269	44	29	31	1.00	0.83	0.77	0.80	0.80	1.20	1.08
X019923	BCG_3334	335	12	5	7	1.00	0.83	0.92	1.17	1.15	1.20	0.69
X019923	BCG_3335	400	15	8	8	1.00	1.06	1.03	1.22	1.51	0.94	0.78
X019923	BCG_3340C	1693	80	28	56	1.00	0.90	0.82	0.83	0.90	1.11	4.05
X019923	BCG_3342C	147	10	4	7	1.00	0.83	0.82	1.07	1.12	1.20	0.63
X019923	BCG_3349C	394	11	8	9	1.00	0.81	0.89	1.17	1.04	1.23	0.77
X019923	BCG_3351	66	4	2	2	1.00	0.85	0.97	1.27	1.48	1.18	0.73
X019923	BCG_3356C	274	8	7	7	1.00	0.93	0.83	1.06	0.99	1.08	0.81
X019923	BCG_3363C	98	6	3	3	1.00	0.83	0.88	0.88	0.76	1.21	0.93
X019923	BCG_3364C	589	24	14	14	1.00	0.83	0.79	1.06	0.86	1.21	1.04
X019923	BCG_3366C	526	20	9	12	1.00	0.91	0.95	1.23	1.28	1.10	0.79
X019923	BCG_3367C	1064	38	20	27	1.00	0.92	0.95	1.09	1.22	1.08	1.01
X019923	BCG_3368C	218	10	5	6	1.00	0.78	0.82	0.88	0.92	1.29	0.78
X019923	BCG_3370C	317	8	6	6	1.00	0.86	0.92	0.93	0.95	1.16	0.83
X019923	BCG_3371C	304	12	7	7	1.00	0.93	0.96	1.40	0.97	1.08	0.91
X019923	BCG_3372	86	3	2	2	1.00	0.98	0.98	1.14	1.31	1.02	0.71
X019923	BCG_3373	152	4	3	3	1.00	0.91	1.01	1.16	1.25	1.10	0.80
X019923	BCG_3374C	211	9	5	5	1.00	0.85	0.83	1.03	1.07	1.18	0.69
X019923	BCG_3375	109	4	2	2	1.00	0.95	0.95	1.03	1.06	1.05	0.84
X019923	BCG_3376	349	13	8	8	1.00	0.85	0.82	0.88	0.96	1.18	0.78
X019923	BCG_3379C	419	15	10	12	1.00	0.82	0.82	1.00	1.00	1.22	0.73
X019923	BCG_3380C	64	2	2	2	1.00	0.88	0.56	0.59	0.99	1.14	0.72
X019923	BCG_3381C	190	3	2	2	1.00	0.76	1.32	0.97	1.39	1.31	1.04
X019923	BCG_3384	720	25	14	19	1.00	0.91	1.00	1.15	1.20	1.10	0.87
X019923	BCG_3385	254	13	6	6	1.00	0.89	0.90	1.08	1.23	1.12	0.77

X019923	BCG_3388C	83	4	2	2	1.00	1.31	1.56	1.27	2.19	0.77	1.39
X019923	BCG_3389C	132	4	3	3	1.00	1.07	1.10	1.30	1.31	0.93	0.96
X019923	BCG_3390C	42	3	2	2	1.00	1.00	0.85	0.91	1.19	1.00	0.81
X019923	BCG_3399	234	14	6	6	1.00	0.88	0.97	0.86	1.10	1.14	1.29
X019923	BCG_3400	196	5	3	3	1.00	0.81	0.77	1.09	0.93	1.23	0.86
X019923	BCG_3407C	346	14	6	9	1.00	0.91	1.06	1.24	1.40	1.10	0.78
X019923	BCG_3408	252	7	4	5	1.00	0.85	0.92	1.08	1.03	1.18	0.95
X019923	BCG_3410	240	6	5	6	1.00	0.98	1.12	1.11	1.25	1.02	0.94
X019923	BCG_3411	157	5	4	4	1.00	1.05	0.98	1.15	1.19	0.95	1.07
X019923	BCG_3412	240	8	5	5	1.00	0.79	0.95	1.14	1.20	1.27	0.74
X019923	BCG_3428C	379	11	8	8	1.00	0.84	1.04	1.33	1.50	1.18	0.72
X019923	BCG_3437C	234	12	5	5	1.00	0.83	0.89	0.74	0.83	1.21	0.96
X019923	BCG_3438	70	3	2	2	1.00	0.84	0.89	0.96	1.03	1.19	0.72
X019923	BCG_3440C	187	6	3	3	1.00	0.97	0.98	1.28	1.42	1.03	0.76
X019923	BCG_3441	146	5	3	3	1.00	0.88	0.94	1.02	1.24	1.14	0.79
X019923	BCG_3444	90	9	3	3	1.00	1.57	1.21	1.37	1.34	0.64	0.96
X019923	BCG_3445	813	23	13	17	1.00	0.86	0.91	1.09	1.16	1.16	0.77
X019923	BCG_3447	236	12	5	5	1.00	0.97	0.88	1.02	1.20	1.04	0.71
X019923	BCG_3453C	276	9	6	6	1.00	0.93	0.80	1.00	0.91	1.08	0.84
X019923	BCG_3458C	727	28	13	22	1.00	0.86	0.90	1.05	1.19	1.17	0.69
X019923	BCG_3459	141	4	3	3	1.00	0.99	0.89	1.19	0.99	1.01	1.03
X019923	BCG_3461C	397	8	6	6	1.00	0.96	0.86	1.14	1.24	1.04	0.84
X019923	BCG_3466C	385	19	10	12	1.00	0.88	0.92	1.03	1.16	1.14	0.82
X019923	BCG_3469	592	17	10	10	1.00	0.87	0.94	1.13	1.24	1.14	0.69
X019923	BCG_3470	478	15	9	10	1.00	0.93	0.98	1.18	1.31	1.07	0.69
X019923	BCG_3471	1008	36	15	23	1.00	0.98	0.92	0.87	0.90	1.02	0.91
X019923	BCG_3474C	186	9	5	5	1.00	0.92	0.96	1.01	1.13	1.08	0.81
X019923	BCG_3477	46	5	2	2	1.00	0.91	0.78	0.92	1.07	1.10	0.87
X019923	BCG_3479C	925	44	19	28	1.00	0.96	0.90	0.97	1.02	1.04	0.87
X019923	BCG_3480C	706	26	14	18	1.00	0.97	0.99	1.13	1.17	1.03	0.84
X019923	BCG_3481C	2449	165	36	126	1.00	0.87	0.46	0.36	0.27	1.16	1.61
X019923	BCG_3484C	118	5	3	3	1.00	0.99	0.87	1.08	1.08	1.01	0.92
X019923	BCG_3487C	2276	112	35	85	1.00	0.92	0.94	1.02	1.13	1.09	0.82
X019923	BCG_3488C	771	115	11	94	1.00	0.86	0.93	1.12	1.24	1.16	0.65
X019923	BCG_3489C	194	8	4	4	1.00	0.79	0.92	0.90	1.17	1.27	0.70
X019923	BCG_3493C	245	7	6	6	1.00	0.81	0.94	1.18	1.15	1.23	0.75
X019923	BCG_3498C	329	11	6	7	1.00	0.67	0.77	0.96	0.97	1.48	0.81
X019923	BCG_3499C	303	11	5	8	1.00	0.93	0.96	1.02	0.87	1.08	0.78
X019923	BCG_3501C	70	2	2	2	1.00	0.81	0.98	0.91	1.14	1.24	0.94

X019923	BCG_3502C	1328	29	19	20	1.00	0.86	0.86	0.99	0.99	1.16	0.88
X019923	BCG_3503	69	3	2	2	1.00	0.81	0.68	0.86	0.97	1.23	0.71
X019923	BCG_3504	57	3	2	2	1.00	0.72	0.57	1.35	0.67	1.39	0.73
X019923	BCG_3507C	617	24	13	16	1.00	0.90	0.98	1.14	1.20	1.11	0.80
X019923	BCG_3508C	651	55	13	34	1.00	0.90	0.87	0.88	0.84	1.11	0.78
X019923	BCG_3509C	453	35	9	26	1.00	0.87	0.79	0.85	0.77	1.15	0.75
X019923	BCG_3520C	324	14	7	9	1.00	0.96	0.98	1.13	1.23	1.04	0.82
X019923	BCG_3521C	579	59	14	46	1.00	0.88	0.79	0.84	0.81	1.14	0.72
X019923	BCG_3522C	1615	126	32	87	1.00	0.86	0.78	0.85	0.82	1.17	0.77
X019923	BCG_3523C	1080	104	20	69	1.00	0.87	0.78	0.86	0.79	1.15	0.79
X019923	BCG_3524C	417	31	8	21	1.00	0.88	0.78	0.82	0.82	1.14	0.68
X019923	BCG_3525C	794	61	16	37	1.00	0.92	0.90	1.02	0.81	1.09	0.88
X019923	BCG_3527C	371	14	7	11	1.00	0.94	0.88	0.92	1.05	1.07	0.54
X019923	BCG_3528	311	10	7	8	1.00	0.84	0.90	1.11	1.14	1.19	0.87
X019923	BCG_3529	501	17	10	13	1.00	0.86	0.83	1.04	1.09	1.16	0.70
X019923	BCG_3530	254	9	6	6	1.00	0.91	1.09	1.40	1.27	1.10	0.81
X019923	BCG_3542	52	3	2	2	1.00	0.77	1.14	1.07	1.02	1.30	0.88
X019923	BCG_3544C	129	6	3	3	1.00	0.82	0.82	0.88	0.92	1.23	0.80
X019923	BCG_3545C	69	2	2	2	1.00	0.82	0.99	1.10	1.20	1.22	1.00
X019923	BCG_3547C	143	4	3	3	1.00	0.87	0.88	1.18	1.16	1.15	1.14
X019923	BCG_3548	41	3	2	3	1.00	0.93	0.67	0.90	0.78	1.07	0.94
X019923	BCG_3549C	452	15	8	12	1.00	0.83	0.86	1.03	1.12	1.21	0.73
X019923	BCG_3554	427	17	8	10	1.00	0.95	1.00	1.21	1.33	1.05	0.95
X019923	BCG_3556C	145	8	2	2	1.00	0.97	0.79	0.78	0.88	1.03	0.77
X019923	BCG_3557C	310	9	6	8	1.00	0.86	0.78	0.97	0.85	1.17	0.81
X019923	BCG_3558C	82	7	3	3	1.00	0.82	0.91	1.20	0.87	1.21	0.94
X019923	BCG_3559C	229	5	4	4	1.00	0.88	0.80	0.76	0.76	1.13	0.82
X019923	BCG_3560C	189	11	3	4	1.00	0.84	0.85	1.00	0.92	1.19	0.83
X019923	BCG_3561C	469	14	10	11	1.00	0.90	0.76	0.85	0.78	1.11	0.90
X019923	BCG_3562C	153	6	4	4	1.00	0.99	0.91	0.99	0.97	1.01	1.15
X019923	BCG_3563C	146	6	3	3	1.00	0.83	0.93	0.76	0.88	1.20	0.92
X019923	BCG_3565C	80	2	2	2	1.00	0.76	0.86	1.11	0.99	1.32	0.81
X019923	BCG_3566C	257	8	4	5	1.00	1.06	1.13	1.07	1.35	0.94	0.76
X019923	BCG_3568	163	8	3	3	1.00	1.22	1.03	1.37	1.34	0.82	1.10
X019923	BCG_3569	116	4	3	3	1.00	0.83	0.95	0.95	1.05	1.21	0.81
X019923	BCG_3573C	959	30	16	24	1.00	0.85	0.97	1.08	1.19	1.17	0.73
X019923	BCG_3574C	113	4	3	3	1.00	0.69	0.91	0.87	0.96	1.45	0.64
X019923	BCG_3578C	126	7	3	3	1.00	0.85	1.05	1.14	1.30	1.18	0.67
X019923	BCG_3579	221	9	5	5	1.00	0.87	0.98	1.16	1.33	1.15	0.82

X019923	BCG_3583	624	35	15	24	1.00	0.86	0.95	1.19	1.18	1.16	0.76
X019923	BCG_3584C	315	15	4	7	1.00	1.06	1.01	1.08	1.37	0.95	0.90
X019923	BCG_3586	159	7	4	4	1.00	0.79	0.87	1.01	1.04	1.27	0.77
X019923	BCG_3587	310	9	7	7	1.00	0.93	0.96	1.15	1.27	1.07	0.89
X019923	BCG_3590	217	9	5	5	1.00	0.99	0.83	0.94	1.05	1.01	0.95
X019923	BCG_3592C	352	12	8	8	1.00	0.90	0.84	0.92	1.02	1.11	0.73
X019923	BCG_3598C	98	5	3	4	1.00	0.99	0.99	1.29	1.27	1.01	0.88
X019923	BCG_3599C	307	9	5	6	1.00	0.80	0.91	0.99	1.04	1.24	0.76
X019923	BCG_3600C	296	10	6	8	1.00	0.95	0.89	1.21	1.17	1.05	0.81
X019923	BCG_3601	341	18	8	9	1.00	1.00	1.07	1.12	1.26	1.00	0.89
X019923	BCG_3610	106	5	2	2	1.00	0.81	0.67	1.03	1.12	1.23	0.46
X019923	BCG_3611	414	19	9	11	1.00	0.88	0.99	1.16	1.39	1.14	0.73
X019923	BCG_3612C	189	7	3	3	1.00	0.92	0.75	0.95	1.11	1.08	0.71
X019923	BCG_3613C	96	6	2	2	1.00	0.90	0.87	1.04	1.02	1.11	1.20
X019923	BCG_3614	196	4	4	4	1.00	1.02	0.95	1.04	1.19	0.98	0.85
X019923	BCG_3617	332	11	8	9	1.00	0.84	0.82	0.96	1.00	1.19	0.79
X019923	BCG_3618	473	21	9	11	1.00	0.96	0.82	0.80	0.82	1.04	0.85
X019923	BCG_3620C	349	14	7	7	1.00	0.93	1.03	1.09	1.27	1.08	0.72
X019923	BCG_3621C	110	5	3	3	1.00	0.89	0.98	1.46	1.16	1.12	0.93
X019923	BCG_3627	112	4	2	2	1.00	1.06	1.15	1.30	1.13	0.94	0.92
X019923	BCG_3630C	260	5	5	5	1.00	0.97	1.02	1.00	1.09	1.03	0.89
X019923	BCG_3633C	1010	56	23	41	1.00	0.67	0.88	0.79	0.95	1.49	11.30
X019923	BCG_3634C	401	12	10	10	1.00	0.86	1.02	1.03	1.36	1.16	0.78
X019923	BCG_3635C	690	21	12	16	1.00	0.92	0.98	1.18	1.30	1.08	0.90
X019923	BCG_3636	98	3	3	3	1.00	1.08	1.13	1.41	1.38	0.93	0.93
X019923	BCG_3638C	99	7	3	3	1.00	0.99	0.88	0.97	1.02	1.01	0.85
X019923	BCG_3640C	402	14	10	11	1.00	0.94	0.89	0.98	1.16	1.07	0.98
X019923	BCG_3641	124	5	2	2	1.00	0.96	0.90	1.00	1.02	1.05	1.10
X019923	BCG_3644C	249	7	5	5	1.00	0.92	0.93	1.05	0.91	1.09	0.78
X019923	BCG_3645C	525	17	12	12	1.00	0.86	0.98	1.14	1.28	1.17	0.80
X019923	BCG_3646C	185	5	4	4	1.00	1.02	0.96	1.14	1.03	0.98	1.00
X019923	BCG_3647C	387	11	8	8	1.00	0.97	0.99	1.16	1.10	1.03	0.85
X019923	BCG_3648C	574	23	11	15	1.00	0.87	1.01	1.26	1.29	1.15	0.71
X019923	BCG_3649	487	15	6	10	1.00	0.92	0.99	1.06	1.26	1.09	0.97
X019923	BCG_3651	343	10	6	6	1.00	0.85	0.91	1.08	1.08	1.18	0.75
X019923	BCG_3652C	336	9	7	7	1.00	0.96	0.86	1.05	1.22	1.04	0.95
X019923	BCG_3653C	323	11	6	6	1.00	0.85	0.86	1.06	1.12	1.18	0.60
X019923	BCG_3656C	86	3	3	3	1.00	0.57	1.02	1.22	1.06	1.76	0.66
X019923	BCG_3657	147	11	2	7	1.00	0.89	0.92	1.08	1.18	1.12	0.71

X019923	BCG_3661C	2288	83	37	53	1.00	1.01	0.91	0.83	1.03	0.99	1.00
X019923	BCG_3662C	311	15	6	13	1.00	0.86	0.77	0.93	1.11	1.16	0.56
X019923	BCG_3663C	808	23	18	18	1.00	0.94	0.94	1.12	1.31	1.07	0.81
X019923	BCG_3664C	213	8	5	7	1.00	1.04	1.04	1.23	1.20	0.96	0.89
X019923	BCG_3666C	253	8	7	7	1.00	0.94	1.14	1.25	1.35	1.06	0.81
X019923	BCG_3667C	144	4	2	2	1.00	1.07	1.00	0.84	0.96	0.93	0.70
X019923	BCG_3668C	455	12	9	10	1.00	0.95	0.90	0.94	0.94	1.05	0.72
X019923	BCG_3670C	174	5	3	4	1.00	0.93	0.89	0.93	0.92	1.07	0.62
X019923	BCG_3671C	167	5	3	5	1.00	1.02	0.97	1.12	1.12	0.98	0.91
X019923	BCG_3672C	186	6	5	5	1.00	0.96	0.91	1.19	1.18	1.04	0.72
X019923	BCG_3673C	379	13	8	8	1.00	0.85	0.94	1.02	1.31	1.18	0.72
X019923	BCG_3674C	987	29	19	21	1.00	0.89	0.78	0.87	0.66	1.13	0.88
X019923	BCG_3678C	213	9	4	8	1.00	0.83	0.96	1.07	1.10	1.20	0.86
X019923	BCG_3679C	91	3	2	2	1.00	0.82	0.78	0.94	0.89	1.22	0.77
X019923	BCG_3680C	327	9	5	6	1.00	1.01	1.05	1.15	1.15	0.99	1.02
X019923	BCG_3682C	328	7	5	5	1.00	0.77	0.85	1.15	1.15	1.30	0.81
X019923	BCG_3684C	379	15	11	11	1.00	0.79	0.73	0.96	0.87	1.26	0.83
X019923	BCG_3685C	493	12	8	8	1.00	0.99	0.88	1.05	1.05	1.01	1.03
X019923	BCG_3686	458	21	8	14	1.00	0.85	0.87	1.01	1.22	1.18	0.66
X019923	BCG_3689	340	9	5	5	1.00	1.00	0.78	1.05	1.05	1.00	0.82
X019923	BCG_3690	81	3	2	2	1.00	0.78	0.79	0.81	0.99	1.28	1.02
X019923	BCG_3691	114	2	2	2	1.00	0.81	0.82	1.03	1.30	1.23	0.85
X019923	BCG_3692C	459	12	9	11	1.00	0.93	0.95	1.06	1.25	1.08	0.90
X019923	BCG_3693	124	3	2	2	1.00	0.93	0.93	1.15	0.51	1.07	1.68
X019923	BCG_3702C	201	8	3	3	1.00	1.14	1.06	1.05	1.36	0.88	1.18
X019923	BCG_3703	558	18	9	11	1.00	0.82	0.89	0.97	0.93	1.22	0.93
X019923	BCG_3704C	2586	91	44	65	1.00	0.92	0.82	0.79	0.83	1.09	0.89
X019923	BCG_3705C	163	5	4	4	1.00	0.86	0.67	0.74	0.84	1.16	0.59
X019923	BCG_3706C	189	19	5	18	1.00	0.85	0.85	0.92	0.94	1.18	0.52
X019923	BCG_3709	296	9	6	6	1.00	0.94	1.03	1.15	1.31	1.07	0.80
X019923	BCG_3719	281	11	5	9	1.00	0.84	1.00	1.09	1.15	1.19	0.86
X019923	BCG_3720C	55	3	2	2	1.00	1.53	1.44	1.85	1.51	0.65	1.16
X019923	BCG_3721C	217	6	3	3	1.00	0.92	0.88	1.12	1.08	1.09	0.93
X019923	BCG_3724C	68	3	2	2	1.00	1.09	1.28	1.17	1.47	0.92	1.01
X019923	BCG_3725	668	20	13	13	1.00	0.99	1.06	1.65	1.20	1.01	0.91
X019923	BCG_3727	211	10	5	8	1.00	0.92	0.95	0.97	1.00	1.09	0.97
X019923	BCG_3728	202	10	5	6	1.00	0.88	0.79	0.82	0.86	1.14	0.78
X019923	BCG_3729C	306	10	5	7	1.00	0.91	0.95	0.96	1.15	1.10	1.03
X019923	BCG_3730C	142	5	4	5	1.00	0.91	0.97	1.04	1.01	1.10	0.74

X019923	BCG_3732C	165	5	3	3	1.00	0.86	0.75	0.89	1.19	1.16	0.62
X019923	BCG_3734	743	32	13	18	1.00	0.83	0.78	0.95	1.14	1.20	0.70
X019923	BCG_3736C	210	4	3	3	1.00	0.86	0.91	1.05	1.25	1.17	0.58
X019923	BCG_3738	503	14	11	13	1.00	0.86	0.91	0.98	1.17	1.16	0.77
X019923	BCG_3739	719	21	10	11	1.00	0.91	0.91	1.08	1.23	1.10	0.89
X019923	BCG_3741	1059	31	20	24	1.00	0.94	0.88	0.96	0.89	1.06	0.91
X019923	BCG_3742	610	17	11	14	1.00	0.89	0.92	1.09	1.23	1.12	0.82
X019923	BCG_3743	599	19	10	14	1.00	1.00	0.94	1.09	1.10	1.00	0.98
X019923	BCG_3747C	317	15	5	6	1.00	0.86	0.90	1.01	1.04	1.17	0.69
X019923	BCG_3749	114	3	2	2	1.00	1.06	0.98	1.46	1.18	0.95	1.12
X019923	BCG_3750	318	9	7	8	1.00	0.99	0.79	0.96	0.93	1.01	1.13
X019923	BCG_3751	814	21	13	16	1.00	0.90	0.96	1.11	1.26	1.11	0.79
X019923	BCG_3752	740	21	14	15	1.00	0.85	0.82	0.90	0.83	1.18	1.03
X019923	BCG_3753C	74	4	3	3	1.00	0.87	0.74	0.99	0.90	1.15	0.93
X019923	BCG_3754	288	10	4	5	1.00	1.02	1.18	1.12	1.19	0.98	1.41
X019923	BCG_3755C	627	21	12	15	1.00	0.87	0.95	1.02	1.21	1.15	0.81
X019923	BCG_3758	118	3	2	2	1.00	0.88	0.88	0.89	1.00	1.14	0.79
X019923	BCG_3759C	76	3	3	3	1.00	0.68	0.86	1.52	1.21	1.48	0.57
X019923	BCG_3760C	136	9	3	3	1.00	0.71	0.77	0.93	0.82	1.42	0.78
X019923	BCG_3768C	518	14	10	12	1.00	0.85	0.97	1.09	1.22	1.18	0.73
X019923	BCG_3769C	959	34	19	26	1.00	0.90	0.90	1.03	1.09	1.11	0.84
X019923	BCG_3770	1144	42	21	28	1.00	0.87	0.80	0.82	0.78	1.16	0.93
X019923	BCG_3772	102	4	3	3	1.00	0.88	0.92	1.04	1.05	1.14	0.74
X019923	BCG_3773	277	7	5	6	1.00	0.91	1.01	1.08	1.15	1.10	0.76
X019923	BCG_3774C	69	5	2	2	1.00	1.15	1.67	1.83	1.55	0.87	1.40
X019923	BCG_3775C	106	3	3	3	1.00	0.93	1.00	0.97	1.32	1.08	0.69
X019923	BCG_3776C	172	9	3	4	1.00	0.83	0.94	1.00	1.18	1.20	0.60
X019923	BCG_3778C	364	12	5	8	1.00	0.79	0.80	0.90	1.05	1.26	0.61
X019923	BCG_3779	340	12	8	8	1.00	0.85	0.99	1.11	1.30	1.18	0.90
X019923	BCG_3780	1116	40	16	25	1.00	0.87	0.89	1.13	1.19	1.15	0.73
X019923	BCG_3781C	397	16	9	9	1.00	0.97	1.07	1.20	1.22	1.03	0.82
X019923	BCG_3782C	857	28	15	20	1.00	0.89	0.91	1.10	1.26	1.13	0.73
X019923	BCG_3784	161	6	2	3	1.00	0.78	0.82	0.90	0.88	1.28	0.91
X019923	BCG_3785	368	12	8	9	1.00	0.83	0.93	1.09	1.19	1.21	0.82
X019923	BCG_3786	129	4	3	3	1.00	0.84	0.86	1.07	0.99	1.19	0.70
X019923	BCG_3790C	210	8	3	3	1.00	0.67	0.64	0.98	1.33	1.50	0.83
X019923	BCG_3792	406	9	8	8	1.00	0.86	0.91	0.93	0.96	1.16	0.91
X019923	BCG_3794C	596	22	12	17	1.00	0.84	0.85	1.00	1.04	1.20	0.83
X019923	BCG_3797	53	3	2	2	1.00	0.71	0.80	0.85	1.03	1.41	0.89

X019923	BCG_3806	253	9	5	6	1.00	0.88	0.89	1.01	1.20	1.13	0.63
X019923	BCG_3807	102	3	2	2	1.00	0.86	1.08	1.24	1.13	1.16	0.86
X019923	BCG_3811C	705	30	11	20	1.00	0.76	0.75	0.80	0.71	1.31	0.63
X019923	BCG_3812C	74	3	2	2	1.00	1.27	1.09	1.21	1.15	0.79	0.77
X019923	BCG_3813	344	9	7	7	1.00	0.87	0.88	1.14	1.10	1.15	0.79
X019923	BCG_3817C	332	12	7	7	1.00	0.92	0.93	1.12	1.09	1.09	0.98
X019923	BCG_3820C	892	24	13	19	1.00	0.92	0.89	1.06	1.10	1.08	0.86
X019923	BCG_3822	92	6	2	5	1.00	0.83	0.83	0.96	1.19	1.20	0.76
X019923	BCG_3824C	177	6	4	5	1.00	0.90	0.80	0.97	1.10	1.11	0.69
X019923	BCG_3826C	64	2	2	2	1.00	0.84	1.26	1.10	1.32	1.20	0.72
X019923	BCG_3833	409	15	10	12	1.00	0.96	1.10	1.14	1.22	1.04	0.67
X019923	BCG_3836	759	32	15	20	1.00	0.85	0.93	1.05	1.16	1.18	0.82
X019923	BCG_3837	450	21	11	13	1.00	0.81	0.89	1.11	1.20	1.23	0.69
X019923	BCG_3839	164	5	4	4	1.00	1.01	1.04	1.31	1.44	0.99	0.85
X019923	BCG_3840C	446	10	6	7	1.00	0.99	1.02	1.12	1.34	1.01	0.90
X019923	BCG_3841	206	7	6	6	1.00	0.88	0.83	1.00	0.95	1.14	1.06
X019923	BCG_3842	451	18	10	15	1.00	0.85	0.92	1.01	0.95	1.18	0.70
X019923	BCG_3843	454	11	7	7	1.00	0.88	0.82	0.89	1.00	1.14	0.87
X019923	BCG_3844	721	23	11	14	1.00	0.92	0.82	0.95	0.91	1.09	0.87
X019923	BCG_3845	163	6	3	3	1.00	0.47	0.53	0.63	1.51	2.12	0.57
X019923	BCG_3850	278	9	8	9	1.00	0.95	0.97	1.16	1.00	1.05	0.70
X019923	BCG_3852	573	23	12	15	1.00	0.86	0.96	1.06	1.29	1.16	0.82
X019923	BCG_3853	681	31	11	23	1.00	0.91	0.88	1.05	1.20	1.10	0.91
X019923	BCG_3854	246	11	7	8	1.00	0.88	0.88	0.99	0.98	1.13	1.00
X019923	BCG_3855	739	25	17	17	1.00	0.83	0.77	0.76	0.76	1.20	0.99
X019923	BCG_3856	787	25	16	18	1.00	0.82	0.85	0.82	0.77	1.22	1.34
X019923	BCG_3857	731	24	17	23	1.00	0.95	0.77	0.70	0.75	1.06	1.15
X019923	BCG_3859	97	7	3	3	1.00	1.14	1.06	1.18	1.32	0.88	0.92
X019923	BCG_3861C	1621	108	26	78	1.00	0.86	0.87	0.88	0.82	1.17	0.69
X019923	BCG_3862C	2446	95	49	65	1.00	0.81	0.75	0.78	0.72	1.24	0.99
X019923	BCG_3863C	1744	56	29	47	1.00	0.89	0.92	1.03	1.10	1.13	0.85
X019923	BCG_3864C	201	15	4	7	1.00	0.84	0.85	0.83	0.81	1.20	0.93
X019923	BCG_3866C	346	18	8	11	1.00	0.80	0.93	1.08	1.20	1.25	0.65
X019923	BCG_3867C	513	17	9	14	1.00	0.84	0.82	0.97	0.76	1.18	0.92
X019923	BCG_3868C	338	14	6	9	1.00	0.84	0.91	1.01	1.02	1.19	0.96
X019923	BCG_3870C	728	34	14	19	1.00	0.89	0.88	1.02	1.04	1.12	0.90
X019923	BCG_3871C	495	13	10	10	1.00	0.96	0.98	1.17	1.34	1.04	0.84
X019923	BCG_3876C	398	13	10	11	1.00	0.95	0.77	0.82	0.93	1.06	0.60
X019923	BCG_3877C	462	13	8	9	1.00	0.90	0.85	0.97	1.04	1.11	0.80

X019923	BCG_3878C	682	30	11	20	1.00	0.86	0.82	0.91	0.94	1.16	0.80
X019923	BCG_3879	1142	53	16	35	1.00	0.83	0.89	0.89	0.88	1.21	0.65
X019923	BCG_3880	441	17	10	12	1.00	0.93	1.01	1.17	1.32	1.08	0.81
X019923	BCG_3881	565	35	13	27	1.00	0.91	0.88	1.07	1.09	1.09	0.50
X019923	BCG_3887C	292	8	7	7	1.00	0.92	0.95	1.15	1.13	1.08	0.92
X019923	BCG_3888C	270	20	6	6	1.00	0.97	0.80	1.01	0.81	1.03	1.11
X019923	BCG_3889	158	14	3	4	1.00	0.80	0.80	1.01	1.19	1.24	0.93
X019923	BCG_3897C	612	18	12	15	1.00	0.92	0.98	1.12	1.32	1.09	0.89
X019923	BCG_3900C	234	5	4	4	1.00	0.82	0.93	1.11	1.21	1.21	0.73
X019923	BCG_3901C	567	14	7	9	1.00	0.90	0.95	1.05	1.14	1.11	0.82
X019923	BCG_3904	591	38	9	28	1.00	0.90	0.80	0.83	0.84	1.12	0.84
X019923	BCG_3905C	233	10	6	7	1.00	0.97	0.95	0.99	0.92	1.03	0.94
X019923	BCG_3906C	433	19	9	12	1.00	0.69	0.68	0.69	0.66	1.45	0.81
X019923	BCG_3909	451	23	8	20	1.00	0.80	0.78	1.00	1.09	1.24	0.76
X019923	BCG_3912	360	16	9	11	1.00	0.96	0.97	1.13	1.28	1.05	0.75
X019923	BCG_3913	217	8	5	5	1.00	0.74	0.70	0.83	0.81	1.36	0.83
X019923	BCG_3915	252	12	3	9	1.00	0.95	0.84	1.01	1.02	1.05	0.70
X019923	BCG_3916	250	8	7	8	1.00	0.84	0.90	1.10	1.21	1.19	0.64
X019923	BCG_3917C	232	11	7	7	1.00	0.96	0.85	1.08	1.05	1.04	0.91
X019923	BCG_3919C	179	5	2	2	1.00	0.81	1.03	0.99	1.22	1.23	0.81
X019923	BCG_3921C	678	22	13	16	1.00	0.94	0.97	1.12	1.20	1.06	0.88
X019923	BCG_3922C	2010	62	34	39	1.00	0.85	0.82	0.85	0.92	1.18	0.96
X019923	BCG_3926	286	12	7	7	1.00	0.87	0.88	0.99	1.20	1.15	0.70
X019923	BCG_3927	262	13	5	9	1.00	0.86	0.91	0.99	1.11	1.16	0.78
X019923	BCG_3928	377	6	6	6	1.00	0.94	1.02	1.08	1.17	1.06	0.70
X019923	BCG_3929	72	4	2	2	1.00	0.99	1.29	1.15	1.28	1.01	0.87
X019923	BCG_3930	194	4	3	4	1.00	0.87	0.83	1.29	1.07	1.15	0.68
X019923	BCG_3931	1131	34	20	28	1.00	0.90	0.98	1.18	1.24	1.11	0.81
X019923	BCG_3932	223	9	5	5	1.00	0.98	0.97	1.10	1.16	1.02	1.18
X019923	BCG_3934	115	6	3	3	1.00	0.61	0.95	1.03	0.86	1.63	0.64
X019923	BCG_3935C	358	15	7	12	1.00	0.87	0.87	1.02	1.10	1.15	0.66
X019923	BCG_3936C	576	19	11	17	1.00	0.87	0.85	0.99	1.03	1.15	0.71
X019923	BCG_3937C	249	12	6	6	1.00	0.99	0.76	1.27	1.31	1.01	0.99
X019923	BCG_3941C	75	3	2	2	1.00	0.89	1.08	0.99	1.15	1.12	0.97
X019923	BCG_3942C	108	4	3	3	1.00	0.74	0.91	1.05	1.03	1.36	0.99
X019923	BCG_3945C	379	10	7	7	1.00	0.98	0.82	1.00	1.01	1.02	0.89
X019923	BCG_3964C	522	18	10	10	1.00	0.95	0.93	1.18	1.32	1.05	0.89
X019923	BCG_3965	247	10	7	7	1.00	0.77	0.84	0.84	0.78	1.29	0.70
X019923	BCG_3966	342	13	7	8	1.00	0.88	1.02	1.10	0.94	1.13	0.99

X019923	BCG_3967	740	19	14	15	1.00	0.93	0.89	0.96	0.91	1.08	0.93
X019923	BCG_3971	880	16	11	12	1.00	0.93	0.97	1.08	1.36	1.08	0.85
X019923	BCG_3972	356	17	6	11	1.00	0.89	0.90	1.03	1.00	1.13	0.57
X019923	BCG_3973	173	10	3	3	1.00	0.84	1.16	1.34	1.41	1.18	0.85
X019923	BCG_3974C	104	3	3	3	1.00	0.99	0.94	1.10	1.06	1.01	0.77
X019923	BCG_3976C	296	14	4	6	1.00	0.90	0.85	1.04	0.96	1.11	0.79
X019923	BCG_3978C	798	33	13	27	1.00	0.89	0.80	0.87	0.87	1.13	0.72

Compound conc. on beads 2mM				
relative abundance				
binding of NBF to fresh beads	compound competition 2.5 uM GSK	compound competition 10 uM GSK	compound competition 40 uM GSK	IC50/KD (app)
0.71	0.80	0.73	0.74	1.06
0.74	0.58	0.60	0.47	1.04
0.84	0.58	0.54	0.51	1.07
0.80	0.86	0.74	0.64	1.08
0.64	0.73	0.61	0.59	1.06
0.46	0.60	0.59	0.49	1.31
0.99	1.52	0.79	0.76	0.95
0.48	0.63	0.43	0.42	1.13
0.68	0.78	0.67	0.68	1.15
0.64	0.81	0.64	0.62	1.26
0.44	1.07	0.62	0.55	1.47
0.73	0.87	0.68	0.66	1.11
0.66	0.81	0.67	0.65	1.17
0.65	0.79	0.74	0.67	1.25
0.94	0.69	0.84	0.76	1.06
0.83	0.92	0.78	0.70	1.09
1.10	1.26	1.07	1.04	1.10
0.99	1.07	1.01	0.99	1.07
0.84	0.91	0.78	0.63	0.99
0.89	1.09	0.97	0.92	1.14
0.69	0.57	0.69	0.63	1.05
0.61	0.98	0.67	0.75	1.20

0.64	1.84	0.69	0.85	1.31
0.80	1.24	0.89	0.86	0.88
0.97	1.09	0.78	1.02	1.07
0.73	0.66	0.63	0.59	1.07
0.64	0.51	0.50	0.49	1.22
0.63	0.72	0.51	0.59	1.13
0.69	0.82	0.72	0.69	1.10
0.56	0.72	0.72	0.68	1.18
0.67	0.76	0.62	0.63	1.16
0.96	1.16	1.00	0.98	1.24
0.90	0.93	0.75	0.76	0.96
0.99	1.10	1.02	0.92	1.15
0.90	0.73	0.72	0.72	1.22
0.87	1.02	0.82	0.85	1.12
0.81	1.12	0.76	0.70	1.26
0.76	0.83	0.70	0.67	0.97
0.68	0.71	0.66	0.59	1.06
0.71	0.81	0.66	0.67	1.05
0.76	0.90	0.65	0.65	0.98
0.80	1.08	0.98	0.92	1.30
0.62	1.13	0.63	0.63	1.21
0.74	1.13	0.79	0.81	1.09
0.65	0.66	0.84	0.66	1.13
0.52	0.54	0.64	0.63	1.30
0.72	0.58	0.61	0.51	1.09
0.66	1.10	0.63	0.67	1.12
0.77	1.10	0.85	0.92	0.90
0.72	0.89	0.88	0.91	1.31
0.80	0.87	0.73	0.77	1.10
0.79	1.15	0.87	0.94	1.08
0.71	0.56	0.88	0.78	1.08
0.67	0.87	0.78	0.71	1.04
0.65	1.14	0.78	1.05	1.21
0.66	0.90	0.69	0.58	1.18
0.56	0.86	0.78	0.45	1.02
0.54	0.71	0.66	0.53	1.14
0.64	0.85	0.76	0.71	1.24
0.82	1.15	0.85	0.81	1.06
0.97	0.82	0.99	0.75	1.29

0.44	0.68	0.58	0.59	1.32
0.73	0.86	0.69	0.71	1.13
0.60	0.88	0.62	0.59	1.25
0.90	1.08	0.88	0.87	1.24
0.57	0.58	0.77	0.76	0.98
1.59	2.16	1.04	1.78	0.77
0.95	0.81	0.85	0.92	1.08
0.87	0.78	0.77	0.85	1.16
0.42	0.50	0.54	0.44	1.49
0.66	1.04	0.73	0.92	1.35
0.74	0.96	0.80	0.77	1.37
0.77	1.14	0.81	0.84	1.23
0.72	0.79	0.48	0.59	1.03
0.58	0.84	0.66	0.64	1.33
0.76	0.55	0.62	0.63	1.12
2.78	3.66	2.98	2.91	1.29
0.61	1.01	0.60	0.67	1.20
0.76	0.51	0.74	0.63	1.09
0.57	0.76	0.79	0.61	1.34
0.65	0.87	0.70	0.73	1.15
0.60	0.58	0.66	0.61	1.25
0.59	0.75	0.76	0.54	1.22
0.79	0.90	0.72	0.78	1.16
0.82	1.28	0.74	0.73	1.28
0.71	0.74	0.67	0.62	1.07
0.68	1.19	1.18	0.98	1.07
0.73	0.85	0.67	0.68	1.25
0.80	0.97	0.79	0.76	1.05
0.58	0.61	0.61	0.57	1.05
0.92	0.94	0.79	0.85	1.00
0.67	0.82	0.75	0.61	1.32
0.64	0.90	0.67	0.54	1.20
0.76	0.89	0.66	0.63	1.10
0.53	0.70	0.61	0.58	1.29
0.82	1.07	0.72	0.62	1.14
0.69	0.87	0.65	0.61	1.05
0.70	0.90	0.79	0.78	1.23
0.77	0.88	0.81	0.75	1.13
0.87	0.88	0.79	0.72	1.02

0.58	0.82	0.84	0.77	1.44
0.74	0.91	0.68	0.73	1.10
0.66	0.79	0.58	0.72	1.14
0.62	0.72	0.60	0.51	1.09
0.87	0.94	0.75	0.70	1.15
0.80	0.88	0.69	0.75	1.03
0.74	0.89	0.65	0.65	1.12
0.88	1.12	0.81	0.80	1.14
0.80	0.86	0.77	0.69	1.09
0.96	0.82	0.78	0.76	0.99
0.92	0.99	0.82	0.77	1.02
0.85	0.78	0.85	0.76	1.08
0.84	1.02	0.80	0.71	1.08
0.81	0.90	0.76	0.79	1.08
0.85	0.95	0.79	0.80	1.13
0.82	0.91	0.78	0.73	1.08
0.73	0.88	0.71	0.80	1.16
0.71	0.93	0.87	0.89	1.44
0.63	1.09	0.86	1.08	1.60
0.74	0.91	0.74	0.78	1.28
0.45	0.77	0.83	0.67	1.82
0.60	0.73	0.79	0.88	1.55
0.54	0.77	0.64	0.63	1.34
0.65	0.77	0.66	0.63	1.28
0.63	0.92	0.65	0.61	1.09
0.55	0.71	0.62	0.44	1.40
0.58	0.50	0.71	0.63	1.40
0.83	1.08	1.22	0.67	1.07
0.70	0.71	0.91	1.09	1.44
0.88	0.94	1.00	0.82	1.16
1.09	0.85	0.99	0.81	1.00
0.84	0.80	0.85	1.22	1.11
0.82	0.88	0.75	0.66	0.95
0.90	0.64	0.77	0.78	1.05
0.75	0.87	0.69	0.63	1.13
0.54	0.52	0.65	0.58	1.36
0.78	0.90	0.77	0.77	1.15
0.98	1.11	0.81	0.80	1.25
0.50	0.96	0.77	0.73	1.71

0.87	0.97	0.95	0.77	1.16
0.62	0.81	0.68	0.67	1.29
0.65	0.96	0.74	0.82	1.45
0.67	0.78	0.58	0.62	1.06
0.62	0.68	0.60	0.48	1.01
0.56	0.92	0.70	0.62	1.23
0.68	0.88	0.75	0.68	1.26
0.55	0.67	0.61	0.55	1.34
0.83	0.73	0.63	0.75	1.20
0.75	0.91	0.77	0.72	1.12
0.65	0.80	0.59	0.48	1.22
0.50	0.81	0.59	0.62	1.31
0.70	0.83	0.72	0.70	1.19
0.87	0.93	0.76	0.71	1.06
0.66	0.77	0.77	0.70	1.21
0.83	0.87	0.79	0.77	1.08
0.79	0.56	0.79	0.71	1.11
0.77	0.86	0.74	0.83	1.21
0.64	0.52	0.72	0.59	1.03
0.79	0.75	0.84	0.67	1.05
0.91	0.94	0.75	0.82	0.91
1.03	1.52	1.28	1.19	1.32
0.89	1.12	0.89	0.79	1.08
0.81	1.07	0.85	0.68	1.31
0.84	0.80	0.62	0.59	1.20
0.89	1.13	0.79	0.76	1.06
0.69	0.72	0.68	0.68	1.23
0.76	0.61	0.79	0.67	1.13
0.52	0.82	0.65	0.58	1.31
0.78	0.94	0.83	0.78	1.08
0.51	0.65	0.64	0.47	1.12
0.53	0.81	0.57	0.56	1.35
0.73	0.74	0.68	0.60	1.36
0.72	0.81	0.70	0.65	1.12
0.87	0.76	0.63	0.66	1.03
0.71	1.02	0.70	0.86	1.30
0.95	1.00	0.78	0.98	1.03
0.86	0.87	0.76	0.75	1.14
0.81	1.12	0.81	0.95	1.29

0.68	0.79	0.63	0.67	1.13
0.55	0.94	0.61	0.67	1.47
0.62	0.74	0.63	0.67	1.25
0.77	0.96	0.81	0.71	1.09
0.63	0.78	0.68	0.67	1.46
0.59	0.77	0.61	0.57	1.32
0.88	0.93	0.74	0.76	1.03
0.70	0.90	1.88	0.78	1.42
0.59	0.72	0.65	0.55	1.13
0.67	0.57	0.66	0.63	1.04
0.49	0.55	0.65	0.60	1.20
0.77	0.68	0.67	0.65	0.90
0.87	1.17	0.82	0.87	1.20
0.85	0.75	0.81	0.76	0.92
0.64	0.92	0.87	0.67	1.13
0.60	0.81	0.63	0.51	1.09
1.06	1.12	0.88	0.96	0.95
0.65	0.87	0.64	0.67	1.16
0.66	0.91	0.69	0.71	1.31
0.59	0.77	0.62	0.63	1.23
0.96	0.77	0.69	0.80	1.11
0.76	0.83	0.58	0.56	0.92
0.88	0.85	0.94	0.81	1.14
0.67	0.85	0.78	0.80	1.11
0.89	0.89	0.86	1.19	1.07
0.57	0.66	0.70	0.62	1.40
0.67	0.88	0.70	0.83	1.16
0.75	0.52	0.69	0.63	1.12
0.70	0.62	0.64	0.61	1.01
0.78	0.97	0.80	0.76	1.15
0.82	1.44	0.91	1.09	1.72
0.68	0.61	0.68	0.63	1.04
0.69	1.04	0.68	0.65	1.18
0.70	1.05	0.79	0.77	1.26
0.60	0.68	0.74	0.53	1.06
0.77	0.94	0.74	0.64	1.24
0.89	0.86	0.81	0.99	1.22
0.75	0.90	0.68	0.65	1.07
0.68	0.80	0.67	0.70	1.15

0.70	0.91	0.77	0.70	1.18
0.61	0.71	0.63	0.56	1.18
0.72	0.99	1.00	0.86	1.06
0.71	1.26	1.03	0.65	1.31
0.81	0.94	0.81	0.77	1.08
0.73	0.58	0.57	0.55	1.28
0.86	0.61	0.69	0.63	1.13
0.67	0.90	0.77	0.73	1.25
0.50	0.51	0.63	0.51	1.41
0.71	0.85	0.70	0.67	1.17
0.86	0.95	0.80	0.82	0.89
0.57	0.70	0.62	0.59	1.10
0.63	0.67	0.53	0.47	1.03
0.57	0.62	0.68	0.52	1.24
0.45	0.74	0.64	0.66	1.46
0.55	0.76	0.64	0.55	1.26
0.83	0.71	0.76	0.60	0.98
0.85	0.63	0.83	0.63	1.11
0.77	0.98	0.71	0.76	1.18
0.84	0.89	0.77	0.77	1.16
0.72	0.86	0.62	0.67	1.22
0.62	0.78	0.66	0.64	1.35
0.82	0.99	0.76	0.81	1.20
0.75	0.86	0.79	0.71	1.05
0.73	0.76	0.74	0.75	1.18
0.91	0.94	0.79	0.74	1.14
0.65	0.65	0.64	0.64	1.03
1.12	1.09	0.81	0.81	0.85
0.62	0.67	0.64	0.59	1.24
1.04	0.93	0.74	0.74	1.05
0.63	0.80	0.63	0.64	1.25
0.52	0.73	0.74	0.60	1.42
0.48	0.59	0.60	0.61	1.37
0.81	0.96	0.75	0.69	0.95
0.70	0.74	0.68	0.58	1.19
0.29	0.32	0.41	0.27	1.19
0.75	0.85	0.70	0.67	1.22
0.98	0.89	0.75	0.69	0.82
0.92	0.65	0.67	0.55	0.96

0.88	1.03	0.88	0.95	1.04
0.85	1.05	0.72	0.76	0.99
0.67	0.85	0.71	0.73	1.17
0.66	0.89	0.70	0.71	1.19
0.69	0.64	0.65	0.60	1.14
0.79	0.98	0.73	0.65	0.86
0.73	0.85	0.78	0.66	1.07
0.94	0.99	0.97	0.96	1.23
1.12	0.83	1.08	0.93	0.99
0.69	0.73	0.76	0.60	1.12
0.79	0.86	0.72	0.66	1.13
0.91	0.95	0.81	0.77	1.05
0.73	0.85	0.69	0.67	1.08
0.77	0.92	0.74	0.75	1.11
0.79	0.85	0.75	0.74	1.05
0.75	0.82	0.71	0.69	1.06
0.75	0.83	0.73	0.69	1.14
0.59	0.81	0.66	0.55	1.29
1.55	1.86	1.50	1.35	1.14
0.61	0.78	0.65	0.67	1.18
0.94	0.91	0.86	0.86	1.05
0.62	0.80	0.64	0.61	1.12
0.56	0.72	0.66	0.64	1.23
0.59	0.77	0.62	0.60	1.17
1.04	1.13	0.97	0.86	1.03
0.54	0.76	0.61	0.53	1.51
0.57	0.92	0.69	0.59	1.45
0.74	0.91	0.69	0.89	1.19
0.61	0.70	0.63	0.58	1.17
0.79	1.21	0.79	0.69	1.13
0.60	0.57	0.44	0.55	1.06
0.52	0.73	0.71	0.62	1.36
0.85	0.95	0.80	0.78	1.05
0.58	1.33	0.59	0.49	1.24
0.63	0.92	0.77	0.69	1.10
0.76	0.80	0.59	0.60	0.94
0.79	0.88	0.76	0.80	1.15
1.57	2.06	1.42	0.97	1.40
0.71	0.91	0.60	0.76	1.03

0.42	0.72	0.48	0.50	1.67
0.62	0.85	0.62	0.62	1.25
0.83	1.03	0.85	0.79	1.12
0.68	0.91	0.71	0.59	1.24
0.67	0.83	0.68	0.56	1.13
0.71	0.70	0.68	0.58	1.21
0.94	0.82	0.85	0.76	0.90
1.06	1.57	0.92	1.03	1.19
0.64	0.87	0.75	0.66	1.20
0.63	0.57	0.66	0.63	1.21
0.75	1.21	0.76	0.81	1.26
0.81	0.86	0.75	0.80	1.03
0.49	0.77	0.54	0.52	1.70
0.96	1.03	0.98	0.94	0.92
0.42	0.58	0.66	0.64	1.43
0.33	0.50	0.61	0.60	1.50
0.70	0.78	0.74	0.66	1.20
0.65	0.75	0.69	0.76	1.25
0.71	0.78	0.72	0.78	1.20
0.89	0.88	1.00	0.91	1.06
1.14	0.94	1.11	0.87	1.01
0.84	1.10	0.79	1.10	1.04
0.85	0.91	0.74	0.76	1.04
0.62	0.84	0.62	0.64	1.38
1.08	1.19	1.04	1.44	0.98
3.55	3.72	3.18	2.44	1.06
0.86	1.09	1.00	0.60	0.96
0.93	1.04	0.81	0.94	1.16
0.86	0.68	0.61	0.61	1.08
0.70	0.90	0.82	0.85	1.40
0.66	1.08	0.61	0.73	1.40
0.52	0.53	0.53	0.46	1.01
0.61	0.70	0.63	0.53	1.10
0.59	0.90	0.89	0.55	1.28
0.67	0.84	0.68	0.64	1.21
0.47	0.83	0.62	0.86	1.69
0.59	0.79	0.57	0.63	1.07
0.64	0.80	0.66	0.70	1.31
0.75	0.80	0.85	0.73	1.08

0.72	0.92	0.76	0.94	1.41
0.71	0.75	0.60	0.64	0.96
0.64	0.86	0.74	0.70	1.21
0.87	1.17	0.94	0.64	0.93
0.77	0.94	0.78	0.75	1.32
0.74	0.77	0.82	0.72	1.42
0.92	1.07	0.93	0.85	1.12
0.79	0.90	1.27	0.88	1.11
0.47	0.95	0.58	0.51	1.29
0.81	0.86	0.73	0.85	1.09
0.72	0.86	0.69	0.68	1.09
0.46	0.64	0.74	0.57	1.32
0.61	0.82	0.64	0.61	1.42
0.72	0.76	0.68	0.65	1.00
1.02	0.94	1.06	0.60	1.07
0.61	0.75	0.70	0.64	1.37
0.25	0.25	0.26	0.23	1.20
0.79	0.82	1.10	0.88	1.08
0.59	0.72	0.72	0.50	1.15
0.55	0.85	0.79	0.56	1.35
0.72	0.86	0.77	0.81	1.33
0.83	0.70	0.64	0.60	1.21
0.96	1.16	1.05	1.17	1.10
0.70	0.90	0.87	1.23	2.35
0.70	0.80	0.83	1.03	1.29
1.01	1.31	0.76	1.14	0.89
0.80	1.03	0.83	0.77	1.15
1.17	1.73	1.44	1.11	1.23
0.62	0.79	0.72	0.64	1.19
0.74	0.86	0.64	0.74	0.89
0.58	0.77	0.64	0.59	1.29
0.59	0.74	0.60	0.54	1.17
0.67	1.26	0.77	0.60	1.18
0.75	0.95	0.74	0.61	1.13
0.54	0.70	0.75	0.55	1.35
0.81	0.87	0.73	0.71	1.00
0.76	0.83	0.70	0.68	1.04
0.65	0.89	0.74	0.61	1.24
0.83	0.87	0.76	0.70	1.04

0.71	0.97	0.74	0.78	1.10
0.58	0.95	0.63	0.65	1.51
0.63	0.79	0.66	0.62	1.07
0.67	0.92	0.67	0.63	1.20
0.78	0.83	0.69	0.68	0.97
0.78	0.72	0.70	0.66	0.92
3.96	4.76	4.28	3.56	1.24
0.75	0.54	0.60	0.54	1.12
0.90	0.64	0.58	0.58	1.00
0.89	0.65	0.57	0.55	1.01
0.62	0.99	0.57	0.48	1.15
0.75	0.80	0.76	0.66	1.18
0.98	0.78	0.64	0.58	0.70
0.65	0.80	0.65	0.70	1.17
0.99	0.73	0.94	0.80	1.06
0.72	0.82	0.73	0.69	1.17
0.67	0.76	0.68	0.66	1.20
0.82	1.38	0.53	0.78	1.18
0.58	0.73	0.58	0.62	1.15
0.80	0.88	0.79	0.76	1.04
0.63	0.52	0.58	0.49	1.29
0.54	0.71	0.62	0.56	1.33
0.85	0.94	0.83	0.88	1.08
0.51	0.79	0.76	0.76	1.45
0.59	0.75	0.65	0.61	1.13
0.60	0.85	0.66	0.65	1.19
0.76	0.84	0.65	0.72	1.05
0.69	0.78	0.70	0.64	1.04
0.79	0.85	0.74	0.68	1.03
0.78	0.83	0.74	0.76	1.03
0.77	0.83	0.74	0.72	0.96
0.71	0.76	0.67	0.63	1.16
0.75	0.82	0.62	0.58	0.93
0.69	0.86	0.68	0.68	1.11
0.71	0.87	0.67	0.64	1.11
0.66	0.89	0.63	0.65	1.14
0.89	0.81	0.92	0.78	0.81
0.80	0.87	0.73	0.67	1.02
0.83	0.93	0.85	0.78	1.16

0.99	0.93	0.98	0.80	0.92
0.76	0.86	0.67	0.71	1.00
0.75	0.82	0.68	0.68	0.98
0.78	0.87	0.77	0.70	1.06
0.74	0.81	0.72	0.61	1.06
0.71	0.76	0.70	0.67	1.06
0.77	0.83	0.75	0.79	1.02
0.53	0.81	0.55	0.56	1.07
0.64	0.78	0.74	0.75	1.12
0.74	0.78	0.75	0.74	1.06
0.78	0.85	0.75	0.72	1.07
0.84	0.72	0.82	0.84	0.87
0.65	1.06	0.71	0.64	1.24
0.51	0.76	0.61	0.61	1.39
0.78	0.90	0.73	0.73	1.11
0.52	0.63	0.59	0.50	1.12
0.74	0.85	0.95	0.76	1.16
0.78	0.86	0.72	0.82	1.06
0.72	0.69	0.78	0.57	1.04
0.97	1.11	0.91	0.82	1.16
0.72	0.80	0.68	0.65	1.19
0.81	0.68	0.89	0.67	0.95
0.62	0.67	0.68	0.61	1.22
0.85	0.97	0.96	0.93	1.18
1.22	1.31	1.20	1.07	1.12
0.55	0.68	0.66	0.56	1.21
0.80	0.91	0.67	0.58	1.11
0.63	0.86	0.80	0.81	1.33
0.63	0.79	0.80	0.68	1.28
0.55	0.65	0.53	0.54	1.27
0.74	0.76	0.66	0.67	0.98
0.73	1.01	0.76	0.78	1.23
0.71	0.78	0.71	0.65	1.15
0.99	1.50	0.87	1.04	1.20
0.75	0.83	0.82	0.86	1.27
0.54	0.74	0.62	0.56	1.44
0.68	0.69	0.62	0.61	1.18
0.67	0.88	0.68	0.73	1.16
0.61	0.59	0.74	0.60	0.95

0.65	0.80	0.69	0.62	1.14
0.73	0.91	1.34	0.73	1.27
0.91	1.19	0.98	0.81	1.01
0.98	0.75	0.70	0.86	0.85
0.86	0.84	0.70	0.81	1.03
0.80	0.84	0.76	0.74	1.09
0.42	0.44	0.51	0.36	1.12
0.70	0.76	0.78	0.78	1.24
0.68	0.64	0.69	0.54	1.20
0.71	0.78	0.59	0.75	1.08
0.79	1.00	0.67	0.74	1.14
0.69	0.82	0.84	0.75	1.37
0.73	0.98	0.75	0.81	1.23
0.48	0.90	0.58	0.58	0.88
0.81	0.97	0.85	0.77	1.21
0.57	0.81	0.59	0.61	1.28
0.65	0.71	0.73	0.61	1.23
0.55	0.58	0.60	0.45	1.11
0.74	1.14	1.35	0.78	1.21
0.69	0.83	0.68	0.65	1.19
0.62	0.79	0.82	0.79	1.21
0.51	0.69	0.68	0.67	1.20
0.73	1.10	0.95	0.70	1.26
0.61	0.81	0.67	0.61	1.27
0.70	1.20	0.83	0.84	1.38
0.66	0.84	0.74	0.67	1.16
0.56	0.74	0.60	0.53	1.23
0.70	0.74	0.73	0.65	1.14
0.60	0.72	0.69	0.78	1.35
0.82	0.95	0.92	0.88	1.01
0.73	0.91	0.77	0.79	1.12
0.46	0.92	0.66	0.61	1.56
0.83	0.94	0.75	0.74	1.13
0.88	0.60	0.77	0.57	1.21
0.80	0.62	0.65	0.74	1.03
0.64	0.57	0.77	0.52	1.31
0.70	0.77	0.64	0.62	1.05
0.80	0.56	0.75	0.70	1.14
1.03	1.14	0.85	0.93	0.97

0.70	0.97	0.74	0.77	1.15
0.74	0.67	0.79	0.81	1.26
0.78	0.78	0.73	0.82	0.93
1.22	1.61	0.83	1.31	0.78
0.48	0.68	0.53	0.52	1.35
0.71	0.79	0.73	0.70	1.19
0.73	0.58	0.68	0.64	1.40
0.74	0.99	0.88	0.72	1.24
0.63	1.21	0.78	0.65	1.55
0.84	0.91	0.71	0.73	1.09
0.86	0.96	0.95	0.71	1.37
0.56	1.02	0.64	0.58	1.14
0.80	0.82	0.72	0.76	1.05
0.68	0.97	0.89	0.84	1.35
0.77	0.92	0.78	0.70	1.18
0.50	0.68	0.66	0.58	1.36
0.81	0.97	0.85	0.98	1.22
0.75	0.92	0.80	0.63	1.18
0.76	1.07	1.45	1.02	1.24
0.97	0.77	0.88	0.71	1.15
0.73	0.98	0.86	0.74	1.31
0.56	0.58	0.50	0.34	1.17
0.73	0.70	0.80	0.68	1.07
0.76	1.01	0.78	0.80	1.10
0.70	1.07	0.85	0.69	1.23
1.08	1.18	0.90	1.11	1.07
0.62	0.73	0.63	0.49	1.24
0.61	0.75	0.76	0.64	1.26
0.61	0.74	0.75	0.58	1.22
0.76	0.94	0.75	0.76	1.19
0.50	0.56	0.45	0.52	1.26
0.55	0.80	0.68	0.60	1.37
0.70	0.80	0.70	0.64	1.15
0.68	0.68	0.69	0.69	1.20
0.87	0.89	0.67	0.54	0.93
1.07	0.71	0.93	0.71	0.90
0.88	1.06	0.81	0.73	1.04
0.67	0.81	0.74	0.57	1.26
0.55	0.82	0.64	0.66	1.29

0.76	1.04	0.78	0.77	1.07
0.65	0.78	0.71	0.63	1.13
0.67	0.59	0.49	0.59	1.07
0.58	0.71	0.61	0.57	1.21
0.60	0.76	0.67	0.59	1.17
0.52	0.88	0.56	0.64	1.22
0.72	0.92	0.74	0.77	1.28
0.72	0.77	0.72	0.76	1.11
0.82	0.71	0.82	0.61	1.00
0.52	0.60	0.58	0.51	1.32
0.66	0.67	0.74	0.71	1.05
0.76	0.66	0.73	0.68	1.10
0.66	0.79	0.69	0.62	1.47
0.61	0.73	0.62	0.57	1.03
0.77	0.58	0.75	0.71	1.14
0.76	0.76	0.74	0.61	1.17
0.52	0.73	0.67	0.61	1.16
0.58	0.62	0.52	0.42	1.26
0.79	1.04	0.80	0.75	1.17
0.70	0.70	0.73	0.58	1.01
0.73	0.79	0.76	0.63	1.05
0.61	0.72	0.63	0.58	1.38
0.76	0.81	0.67	0.66	1.20
0.85	0.64	0.90	0.88	1.35
0.89	1.03	0.83	0.86	1.14
0.68	0.90	0.61	0.58	1.17
0.55	0.83	0.61	0.59	1.25
0.64	0.71	0.74	0.80	1.23
0.73	0.89	0.81	0.86	1.29
0.73	1.24	0.78	0.78	1.13
0.75	1.19	0.78	0.76	1.30
0.55	0.60	0.78	0.68	1.01
0.66	0.86	0.71	0.69	1.25
0.76	0.97	0.71	0.65	0.98
0.62	0.93	0.66	0.72	1.36
0.86	0.93	0.88	0.87	1.13
0.53	0.74	0.62	0.57	1.39
0.76	0.83	0.66	0.71	1.01
0.66	0.84	0.65	0.59	1.13

0.61	0.71	0.56	0.45	1.63
0.68	0.78	0.65	0.67	1.21
0.45	1.20	0.71	0.68	1.49
0.84	0.90	0.71	0.59	1.00
0.71	0.85	0.74	0.68	1.20
0.71	0.77	0.69	0.64	1.07
0.89	0.77	0.70	0.65	1.14
0.86	0.97	0.72	0.69	1.06
0.76	0.78	0.65	0.68	1.03
0.60	0.82	0.57	0.56	1.09
0.55	0.69	0.99	0.65	1.71
0.49	0.68	0.59	0.56	1.43
0.71	0.93	0.88	0.87	1.35
0.80	0.91	0.80	0.90	1.13
0.76	0.98	0.68	0.78	1.13
0.92	1.27	0.69	0.87	1.18
0.49	0.60	0.47	0.43	1.06
0.43	0.70	0.61	0.57	1.56
0.37	0.92	0.71	0.60	1.83
0.69	1.20	0.97	0.85	1.35
0.79	0.77	0.76	0.75	1.17
0.87	1.00	0.92	0.85	1.19
0.57	0.81	0.66	0.54	1.25
0.89	0.94	0.86	0.81	0.99
0.63	0.85	0.68	0.63	1.22
0.72	0.73	0.66	0.65	1.20
0.83	0.87	0.76	0.71	1.11
0.64	0.78	0.63	0.67	1.24
0.45	0.60	0.52	0.40	1.22
0.76	0.79	0.64	0.59	1.07
0.65	0.77	0.96	0.78	1.35
0.74	0.96	1.07	1.02	1.39
0.63	0.78	0.66	0.65	1.24
0.63	0.82	0.66	0.61	1.26
0.92	1.20	0.99	1.06	1.07
0.84	0.98	0.80	0.90	1.12
1.04	1.01	0.93	1.00	1.07
0.72	0.82	0.66	0.66	1.09
0.73	0.86	0.67	0.70	1.11

0.73	0.54	0.81	0.64	1.09
0.71	0.83	0.76	0.62	1.32
0.81	0.84	0.72	0.69	1.05
0.61	0.71	0.72	0.50	1.22
0.61	0.91	0.60	0.65	1.07
0.73	1.07	0.82	0.84	1.24
0.59	1.07	0.70	0.68	1.35
0.64	1.16	0.71	0.64	1.08
0.52	0.87	0.59	0.67	1.26
0.72	0.85	0.73	0.71	1.28
0.62	0.72	0.66	0.59	1.18
0.72	0.85	0.68	0.68	1.17
0.74	0.85	0.66	0.63	0.96
0.60	0.83	0.80	0.49	1.10
0.90	1.05	0.79	0.85	1.13
0.75	1.03	0.69	0.85	1.21
0.55	0.51	0.63	0.47	1.29
0.63	0.76	0.71	0.61	1.12
0.79	1.05	0.83	1.06	1.25
1.98	2.44	2.26	2.01	1.25
1.70	1.88	1.62	1.45	0.98
0.67	0.86	0.55	0.57	1.35
0.64	0.72	0.72	0.64	1.25
0.79	0.65	0.83	0.83	0.93
1.07	1.26	0.81	0.78	0.98
0.68	0.77	0.72	0.61	1.08
0.47	0.69	0.64	0.70	1.48
0.41	0.65	0.48	0.44	1.31
0.65	0.59	0.66	0.58	0.93
0.56	0.79	0.60	0.57	1.20
0.78	0.58	0.80	0.60	1.15
0.65	0.45	0.66	0.60	1.08
0.55	0.67	0.59	0.62	1.30
0.68	0.89	0.67	0.75	1.34
0.96	0.93	0.64	0.75	1.01
0.55	0.94	0.70	0.71	1.49
0.65	0.90	1.17	0.57	1.31
0.63	0.78	0.69	0.67	1.24
0.58	0.66	0.65	0.60	1.36

0.82	0.69	0.64	1.22	0.92
0.57	0.71	0.60	0.59	1.26
0.67	0.84	0.63	0.65	1.24
0.43	0.78	0.87	0.97	1.73
0.75	0.63	0.76	0.72	1.11
0.75	0.67	0.94	0.81	1.02
0.70	0.80	0.79	0.59	1.30
0.65	0.90	0.69	0.75	1.02
0.75	0.77	0.67	0.60	1.09
0.93	1.08	0.94	0.93	1.12
0.81	0.89	0.66	0.74	1.19
0.87	0.99	0.78	0.80	1.08
0.59	0.74	0.70	0.61	1.46
0.76	0.80	0.69	0.59	1.08
1.03	1.07	1.01	1.26	1.35
0.73	0.81	0.68	0.72	1.08
0.73	0.88	0.77	0.93	1.28
0.92	1.08	0.84	0.78	1.08
0.75	0.99	0.87	0.88	1.46
0.54	0.64	0.51	0.69	1.15
0.67	0.80	0.65	0.65	1.16
1.02	1.19	0.85	0.88	1.10
0.53	0.68	0.60	0.53	1.26
0.73	0.86	0.74	0.82	1.19
0.56	0.76	0.62	0.59	1.21
0.87	1.03	1.14	1.06	1.61
0.65	0.82	0.71	0.71	1.25
0.60	0.69	0.62	0.56	1.08
0.90	0.63	0.59	0.60	1.04
0.57	1.21	0.96	0.78	1.17
0.79	0.59	0.63	0.54	1.00
0.73	0.73	1.13	0.83	1.01
0.68	0.85	0.69	0.61	1.15
0.73	0.83	0.97	1.10	1.34
0.65	0.78	0.65	0.57	1.39
0.83	0.92	0.81	0.77	1.09
0.59	0.79	0.68	0.65	1.37
0.55	1.09	0.67	0.74	1.34
0.82	0.91	0.82	0.84	1.11

0.80	0.77	0.73	0.81	0.97
0.72	0.81	0.68	0.63	1.16
0.78	0.52	0.82	0.71	1.14
0.62	0.83	0.65	0.63	1.30
0.86	0.74	0.88	0.92	0.98
0.76	0.72	0.71	0.67	1.09
1.20	1.00	0.77	0.87	0.60
0.87	0.89	0.80	0.74	1.02
1.01	1.08	0.91	0.77	1.05
0.65	0.98	0.52	0.52	1.29
0.78	0.86	0.87	0.82	1.34
0.81	0.66	0.65	0.71	1.24
0.66	0.84	0.74	0.66	1.21
0.73	0.90	0.88	0.70	1.24
0.73	0.77	0.86	0.77	1.38
0.63	0.70	0.60	0.78	1.18
0.56	0.76	0.65	0.58	1.29
0.75	0.89	0.88	0.86	1.21
0.75	0.82	0.80	0.78	1.14
0.54	0.75	0.58	0.57	0.99
0.83	1.01	0.81	0.94	1.20
0.98	1.09	0.82	0.88	1.00
0.51	0.69	0.64	0.57	1.39
0.64	0.85	0.65	0.58	1.28
0.78	0.85	0.70	0.77	1.06
0.57	0.80	0.70	0.65	1.34
0.26	0.37	0.38	0.30	1.28
0.72	0.56	0.68	0.51	0.99
0.86	0.95	0.72	0.75	0.85
0.49	0.75	0.67	0.57	1.41
0.50	0.56	0.77	0.78	1.49
0.83	0.98	0.77	0.88	1.02
0.85	1.02	0.76	0.77	1.03
0.85	0.92	0.79	0.83	1.03
0.82	0.85	0.75	0.80	1.06
0.78	0.77	0.71	0.67	1.08
0.79	0.92	0.79	0.77	1.18
0.73	0.77	0.69	0.64	1.10
0.61	0.66	0.66	0.57	1.20

1.01	1.21	0.87	0.74	0.85
0.52	0.77	0.49	0.63	1.47
0.82	0.92	0.78	0.86	1.16
0.55	0.90	0.79	0.69	1.27
0.47	0.73	0.75	0.43	1.19
0.74	1.23	0.81	0.78	1.50
0.83	0.95	1.02	0.93	1.15
0.80	0.87	0.86	0.93	1.06
0.65	0.88	0.70	0.68	1.21
0.73	0.82	0.66	0.60	1.10
0.60	0.75	0.69	0.61	1.40
0.84	0.79	0.90	0.76	1.14
2.32	1.84	2.30	2.05	1.25
0.74	0.61	0.57	0.57	1.22
0.56	0.93	0.54	0.52	1.57
0.73	0.87	0.76	0.70	1.11
0.73	0.81	0.83	0.75	1.08
0.67	0.88	0.68	0.70	1.21
0.59	0.81	0.78	0.64	1.46
0.86	0.93	0.77	0.72	1.09
0.72	0.86	0.75	0.58	0.98
0.76	1.02	0.60	0.57	1.17
0.74	1.03	0.66	0.70	1.22
0.79	0.81	0.72	0.66	1.01
0.38	1.15	0.34	0.63	2.37
0.78	0.82	0.67	0.79	1.08
0.76	1.05	0.72	0.72	1.28
0.86	0.92	0.78	0.81	1.03
0.73	0.74	0.74	0.75	1.15
1.02	1.11	0.92	0.83	1.16
0.63	0.74	0.73	0.73	1.31
0.27	0.42	0.41	0.32	1.58
0.63	0.79	0.65	0.64	1.13
0.84	0.92	0.76	0.72	1.09
0.82	0.93	0.73	0.81	1.30
0.63	0.81	1.05	1.06	1.66
0.80	0.92	0.76	0.77	1.14
0.91	0.72	0.62	0.69	1.09
0.44	0.70	0.57	0.60	1.60

0.50	0.99	0.58	0.51	1.02
0.77	0.57	0.74	0.48	0.85
0.93	0.81	0.82	0.71	1.03
0.78	0.83	0.70	0.66	1.06
0.64	0.81	0.66	0.63	1.27
0.73	0.81	0.79	0.79	1.10
0.81	0.56	0.74	0.69	1.08
0.52	0.66	0.63	0.55	1.35
0.58	0.58	0.82	0.63	1.20
0.62	0.88	0.67	0.80	1.27
0.74	0.89	0.76	0.73	1.25
0.67	1.04	0.76	0.82	1.46
0.73	0.79	0.73	0.73	1.15
0.55	0.78	0.69	0.52	1.33
0.65	0.93	0.80	0.77	1.26
0.60	0.76	0.73	0.67	1.37
0.71	1.01	0.98	1.03	1.67
0.67	0.54	0.60	0.71	1.17
0.77	0.78	0.74	0.64	1.20
0.73	0.79	0.64	0.69	1.15
0.58	0.82	0.58	0.63	1.34
0.78	0.88	0.77	0.78	1.10
0.91	0.95	0.85	0.63	1.03
0.62	0.67	0.65	0.60	1.14
0.68	0.82	0.68	0.58	1.29
0.68	0.76	0.67	0.65	1.16
0.48	0.69	0.58	0.55	1.41
0.52	0.70	0.60	0.61	1.37
0.62	0.54	0.68	0.46	1.04
0.68	0.78	0.57	0.68	1.23
0.49	0.64	0.60	0.56	1.44
0.76	0.89	0.70	0.72	1.12
0.73	0.84	0.71	0.69	1.17
0.51	0.73	0.61	0.59	1.34
0.63	0.49	0.67	0.61	1.19
0.68	0.89	0.74	0.71	1.27
1.10	1.21	0.99	1.03	1.12
0.96	1.28	1.19	1.10	0.98
1.01	1.04	0.88	0.86	0.89

0.88	0.50	0.75	0.61	0.54
1.10	1.16	0.98	0.97	1.13
0.68	0.89	0.75	0.69	1.22
0.69	0.81	0.66	0.67	1.14
0.68	0.87	0.68	0.64	1.22
0.65	0.70	0.62	0.50	0.97
0.52	0.50	0.62	0.45	1.38
0.82	0.94	0.84	0.74	1.13
0.50	0.46	0.41	0.35	0.96
0.63	0.78	0.59	0.65	1.19
1.00	0.89	0.94	0.78	0.78
0.45	0.64	0.68	0.54	1.38
0.65	0.55	0.53	0.51	1.32
1.20	1.14	1.07	1.00	0.89
0.69	0.77	0.74	0.67	1.17
0.71	0.95	0.65	0.64	1.11
0.90	1.02	0.91	0.82	1.14
0.59	0.86	0.75	0.69	1.34
0.57	0.64	0.50	0.49	1.13
0.61	0.65	0.63	0.57	1.17
0.58	0.69	0.51	0.58	1.01
0.75	0.83	0.84	0.72	1.03
1.03	1.09	1.00	0.85	1.01
0.68	0.76	0.74	0.70	1.06
0.72	0.59	0.68	0.71	1.18
0.79	0.65	0.78	0.71	1.13
0.63	0.98	0.63	0.69	1.48
0.54	0.71	0.75	0.68	1.39
0.63	0.99	0.67	0.50	1.20
1.13	1.20	1.06	1.09	0.95
0.77	1.06	0.90	0.86	1.05
0.63	0.86	0.68	0.79	1.29
0.55	0.78	0.66	0.74	1.38
0.81	0.94	0.72	0.81	1.34
0.67	0.81	0.85	0.87	1.11
0.65	0.95	0.72	0.86	1.31
0.93	0.71	0.62	0.62	1.07
0.68	0.88	0.71	0.66	1.30
0.64	0.75	0.67	0.58	1.09

0.59	0.71	0.57	0.70	1.12
0.79	0.88	0.61	0.68	1.21
0.57	0.66	0.57	0.63	1.21
0.64	0.80	0.60	0.64	1.22
0.84	1.03	0.82	0.83	1.12
0.53	0.83	0.59	0.62	1.40
0.87	0.79	0.65	0.68	1.16
0.65	0.69	0.70	0.79	1.36
0.80	0.87	0.81	0.88	1.21
0.52	0.58	0.73	0.64	1.40
0.49	0.60	0.60	0.52	1.33
0.72	0.72	0.77	0.65	1.07
0.72	0.84	0.80	0.73	1.15
0.66	0.79	0.71	0.69	1.16
0.83	0.96	0.81	0.96	1.09
0.71	0.97	0.70	0.89	1.33
0.90	0.94	0.94	0.84	0.79
0.51	0.71	0.68	0.52	1.57
0.91	1.13	0.91	0.70	0.95
0.80	0.97	0.70	0.87	0.87
0.82	0.92	0.86	0.91	1.19
0.60	1.12	0.88	0.79	1.32
0.72	0.94	0.69	0.78	1.20
0.77	1.02	0.78	0.79	1.02
0.63	0.87	0.66	0.71	1.19
0.63	0.74	0.70	0.68	1.13
0.56	0.83	0.69	0.74	1.33
0.62	0.92	0.71	0.68	1.25
0.58	0.76	0.64	0.62	1.22
0.71	0.74	0.60	0.63	1.07
0.45	0.49	0.43	0.34	1.28
0.51	0.78	0.65	0.54	1.40
0.60	0.86	0.62	0.67	1.16
0.64	0.86	0.90	0.77	0.98
1.13	1.30	1.03	1.07	1.04
0.49	0.75	0.57	0.50	1.34
0.77	0.83	0.73	0.75	1.21
0.62	0.74	0.64	0.63	1.15
1.04	1.43	0.62	0.61	1.02

0.62	0.81	0.66	0.66	1.27
0.78	0.73	0.83	0.70	1.14
3.28	3.72	2.88	2.68	1.11
0.81	0.89	0.74	0.73	1.11
0.67	0.79	0.79	1.40	1.29
1.03	0.94	1.06	0.99	1.21
0.54	0.79	0.66	0.57	1.38
0.53	0.72	0.60	0.54	1.29
0.90	0.62	0.59	0.58	1.15
0.75	0.77	0.66	0.57	1.00
0.63	0.84	0.64	0.59	1.20
0.67	0.78	0.85	0.57	1.19
0.78	0.70	0.78	0.64	1.26
0.53	0.70	0.59	0.52	1.37
2.14	2.47	2.48	2.07	1.24
0.79	0.58	0.54	0.49	1.00
1.03	1.07	1.44	0.94	0.94
0.93	0.80	0.72	0.77	1.26
0.60	0.80	0.54	0.58	0.97
0.57	0.67	0.62	0.55	1.17
0.75	0.85	0.67	0.70	1.00
0.81	0.86	0.67	0.67	0.92
0.61	1.01	0.69	0.67	1.16
0.88	0.82	0.75	0.76	1.00
0.71	0.67	0.52	0.58	1.23
0.65	0.77	0.76	0.72	1.21
0.58	0.70	0.65	0.64	1.25
0.70	0.86	0.69	0.70	1.10
0.64	0.88	0.67	0.68	1.24
0.63	0.78	0.61	0.55	1.11
0.64	0.69	0.63	0.57	1.16
0.83	0.89	0.73	0.68	1.12
0.72	0.84	0.79	0.69	1.22
0.63	0.78	0.62	0.61	1.32
0.72	0.84	0.57	0.75	1.09
0.82	0.96	0.77	0.86	1.34
0.53	0.61	0.64	0.58	1.31
0.96	1.04	0.92	1.27	1.13
0.79	1.22	0.66	0.81	1.12

0.69	0.85	0.73	0.62	1.17
0.78	0.74	0.56	0.68	1.13
0.84	0.68	0.68	0.66	1.12
0.86	0.33	1.02	0.52	0.64
0.77	0.84	0.77	0.71	1.09
0.76	0.82	0.78	0.71	0.98
0.79	1.10	0.72	0.74	1.17
0.80	0.68	0.83	0.67	1.03
0.78	1.02	0.89	0.72	1.24
0.74	0.85	0.77	0.74	1.22
0.81	0.79	0.82	0.71	1.17
0.90	1.25	0.88	0.95	1.11
0.61	0.91	0.64	0.64	1.32
0.92	1.07	0.86	0.86	0.99
0.91	1.02	0.81	0.74	1.10
0.88	1.04	0.85	0.92	0.90
0.88	0.88	0.80	0.78	1.03
0.67	0.86	0.66	0.63	1.11
0.50	0.66	0.55	0.55	1.26
0.58	0.94	0.58	0.59	1.33
0.60	0.87	0.62	0.62	1.15
0.61	0.60	0.80	0.78	1.25
0.59	0.71	0.81	0.60	1.04
0.71	0.84	0.68	0.65	1.19
0.54	0.50	0.74	0.51	1.13
0.65	0.77	0.68	0.62	1.05
0.79	0.99	0.81	0.93	1.21
0.89	0.64	0.85	0.78	0.97
0.88	0.77	0.76	0.71	1.03
0.71	0.66	0.92	0.66	1.04
0.82	1.04	0.83	0.71	1.10
0.89	0.71	0.85	0.74	1.10
0.56	0.64	0.66	0.59	0.96
0.95	1.09	0.95	0.92	1.12
1.12	1.10	0.96	0.99	0.88
0.54	0.72	0.63	0.60	1.34
0.82	1.02	0.79	0.82	1.21
0.81	0.93	0.89	0.76	1.13
0.93	1.08	1.34	1.24	1.58

0.65	0.84	0.60	0.59	1.14
0.81	0.95	0.75	0.76	1.14
0.93	0.76	0.68	0.67	1.04
0.68	0.69	0.69	0.81	0.91
0.55	0.80	0.70	0.61	1.38
0.92	1.04	0.84	0.91	1.09
0.90	0.86	0.74	0.72	0.98
0.80	0.92	0.76	0.72	1.12
0.70	0.77	0.84	0.81	1.33
0.71	0.85	1.09	0.61	1.47
0.73	1.03	0.92	0.84	1.28
0.61	0.79	0.68	0.63	1.23
0.43	0.66	0.49	0.49	1.55
0.44	0.72	0.65	0.59	1.45
0.97	0.98	0.91	0.85	1.07
0.74	0.76	0.68	0.62	1.04
0.72	0.64	0.64	0.54	1.23
0.77	1.00	0.85	1.15	1.04
0.83	1.07	0.73	0.84	1.10
0.90	0.82	0.83	0.76	1.00
0.56	0.72	0.61	0.47	1.23
0.80	0.71	0.71	0.61	0.91
0.73	0.73	0.51	0.48	1.03
0.93	0.82	0.74	0.81	1.17
0.70	0.95	0.69	0.74	1.23
0.82	0.62	0.77	0.62	1.11
0.79	0.58	0.72	0.56	1.07
0.57	0.49	0.60	0.43	1.26
0.92	0.94	0.86	0.89	1.04
0.83	0.90	0.77	0.75	1.03
0.71	0.87	0.72	0.63	1.21
0.73	0.88	0.81	0.65	0.82
0.47	0.77	0.90	0.77	1.67
0.67	0.65	0.62	0.70	1.29
0.63	0.80	0.71	0.67	1.35
1.04	0.94	0.70	0.59	0.85
0.74	0.90	0.69	0.71	1.15
0.64	0.79	0.67	0.62	1.30
0.82	0.72	0.77	0.71	0.97

0.34	0.44	0.51	0.44	1.71
0.97	1.22	0.94	0.91	1.16
0.73	0.96	0.75	0.79	1.21
0.55	0.76	0.63	0.58	1.41
0.62	0.95	0.57	0.66	1.15
0.84	1.04	0.94	0.86	1.19
0.73	0.93	0.63	0.76	1.29
0.54	0.70	0.68	0.57	1.28
0.75	0.57	0.63	0.56	1.04
0.99	1.12	0.91	0.87	1.03
0.77	1.02	0.73	0.68	1.08
0.71	0.85	0.66	0.63	1.08
0.32	0.47	0.51	0.49	1.38
0.95	0.98	0.83	0.63	0.93
0.49	0.68	0.70	0.57	1.48
1.06	1.15	0.95	0.92	1.02
0.72	1.22	0.80	0.93	1.34
0.66	0.77	0.78	0.76	1.10
0.47	0.75	0.65	0.51	1.32
0.60	0.61	0.76	0.64	1.05
0.88	0.99	0.89	0.83	1.09
0.64	0.95	0.75	0.70	1.49
0.66	1.00	0.78	0.76	1.33
0.53	0.79	0.60	0.61	1.27
0.71	0.82	0.76	0.69	1.12
0.72	0.54	0.67	0.53	1.15
0.65	0.97	0.68	0.69	1.18
0.54	0.97	0.72	0.61	1.30
0.82	0.55	0.63	0.56	1.02
0.31	0.56	0.54	0.49	1.62
0.70	0.69	0.72	0.71	1.10
0.77	0.99	0.76	0.64	1.27
0.80	0.82	0.87	0.88	1.08
0.82	0.61	0.80	0.82	1.12
0.52	0.67	0.52	0.55	1.13
0.57	0.75	0.66	0.60	1.24
0.48	0.50	0.61	0.43	1.22
0.59	0.74	0.74	0.62	1.47
0.79	0.75	0.75	0.60	1.14

0.76	0.91	0.72	0.67	1.04
0.79	0.75	0.70	0.67	1.08
0.67	1.40	0.74	0.89	1.36
0.70	0.92	0.73	0.76	1.13
0.43	0.62	0.69	0.53	1.60
0.93	0.73	0.87	0.71	1.14
0.68	0.81	0.65	0.77	1.13
0.34	0.53	0.54	0.53	1.65
0.84	1.01	1.00	0.66	1.00
0.57	0.60	0.68	0.59	1.19
0.61	0.78	0.70	0.75	1.35
0.70	0.92	0.75	0.70	1.41
0.72	0.81	0.68	0.63	0.98
0.63	0.73	0.65	0.63	1.16
0.96	1.00	0.89	0.86	1.09
0.83	0.85	0.73	0.79	0.99
0.46	0.74	0.51	0.61	1.40
0.83	0.65	0.70	0.67	0.88
0.84	0.83	0.69	0.62	0.94
0.80	0.96	0.54	0.44	1.02
0.96	1.01	0.46	0.95	0.91
0.89	0.78	0.64	0.44	1.03
0.74	0.96	0.74	0.73	1.03
0.79	0.75	0.60	0.58	1.08
0.59	0.88	0.78	0.69	1.11
0.80	0.72	0.80	0.73	1.08
0.73	0.73	0.69	0.58	1.06
0.60	0.83	0.65	0.53	1.28
0.85	0.92	0.62	0.54	0.86
0.62	0.73	0.57	0.49	1.09
0.78	1.03	0.75	0.83	1.05
0.73	0.88	0.63	0.70	1.16
0.91	1.03	0.94	0.78	1.34
0.61	0.84	0.70	0.72	1.09
0.83	1.01	1.01	0.95	1.28
0.82	0.82	0.76	0.78	1.14
0.96	0.79	0.73	0.88	0.91
0.82	0.78	0.76	0.83	0.90
0.79	0.85	0.72	0.64	0.99

0.83	0.88	0.77	0.71	1.13
0.72	0.90	0.77	0.67	0.99
0.37	0.58	0.63	0.60	1.27
0.79	0.82	0.81	0.80	0.99
0.58	0.76	0.57	0.57	1.36
0.85	2.10	0.68	0.90	1.28
0.75	0.97	0.73	0.80	0.92
0.95	1.39	0.56	0.75	1.14
0.73	1.04	0.76	0.83	1.42
2.85	3.14	2.52	2.19	1.12
0.72	0.89	0.74	0.71	1.15
0.88	0.90	0.62	0.64	1.01
0.68	0.95	0.49	0.81	1.16
1.05	0.85	0.72	0.96	1.02
0.51	0.63	0.46	0.67	1.19
0.70	0.89	0.76	0.69	1.11
1.04	1.10	0.96	0.84	1.08
0.79	0.67	0.54	0.58	1.11
0.83	0.80	0.67	0.63	0.99
0.79	0.87	0.83	0.70	0.99
0.59	0.75	0.73	0.52	1.35
0.81	0.97	0.74	0.77	1.07
0.82	0.62	0.53	0.52	1.02
0.79	0.78	0.54	0.61	1.00
0.78	0.84	0.71	0.68	1.03
0.87	0.87	0.72	0.69	0.95
0.57	0.48	0.65	0.65	1.16
0.65	0.70	0.69	0.63	1.14
0.55	0.72	0.60	0.56	1.17
0.85	0.59	0.68	0.66	1.02
0.94	1.11	1.18	0.35	1.00
0.61	1.00	0.71	0.72	1.27
0.70	1.06	0.93	0.87	1.34
0.67	0.76	0.67	0.66	1.23
0.95	0.77	0.61	0.61	1.02
0.60	0.65	0.62	0.59	1.23
0.81	0.99	0.74	1.14	1.14
0.71	0.87	0.73	0.70	1.25
1.38	1.71	1.41	1.30	1.14

0.54	0.63	0.64	0.52	1.33
0.48	0.72	0.66	0.58	1.45
0.55	0.69	0.58	0.56	1.23
0.60	0.77	0.69	0.75	1.35
0.65	0.80	0.60	0.76	1.43
0.62	0.82	0.72	0.67	1.24
0.45	0.58	0.58	0.50	1.37
0.67	0.71	0.66	0.65	1.15
0.71	0.36	0.72	0.64	0.81
0.62	0.69	0.70	0.62	1.25
0.54	0.75	0.67	0.61	1.20
0.32	0.51	0.37	0.32	1.21
0.45	1.17	0.55	0.62	1.39
0.60	0.77	0.65	0.55	1.17
0.69	0.81	0.68	0.62	1.16
0.72	0.87	0.73	0.74	1.22
0.77	0.86	0.73	0.75	1.10
0.72	0.99	0.93	0.79	1.16
0.83	0.80	0.76	0.91	1.02
0.58	0.83	0.78	0.65	1.41
0.55	0.76	0.55	0.49	1.31
1.03	1.63	0.66	0.89	1.18
0.64	0.83	0.62	0.61	1.15
0.81	0.82	0.73	0.78	1.09
0.76	0.92	0.78	0.81	0.96
0.56	0.70	0.64	0.58	1.20
0.79	0.97	0.87	0.74	1.17
1.02	1.31	1.24	1.65	1.10
0.74	0.77	0.76	0.59	0.87
0.95	0.79	0.88	0.70	0.91
0.76	0.91	0.72	0.68	1.22
0.63	0.92	0.72	0.71	1.14
0.94	0.98	0.92	1.17	1.06
0.76	0.88	0.74	0.66	1.15
0.63	0.29	0.60	0.50	0.50
0.79	0.84	0.75	0.76	1.03
0.58	0.75	0.66	0.47	1.24
0.82	1.00	0.96	0.79	1.21
0.68	0.93	0.75	0.73	1.21

0.83	1.33	0.89	0.93	1.19
0.86	0.94	0.82	0.80	1.01
0.81	0.86	0.73	0.72	1.05
0.84	0.92	0.81	0.68	1.12
0.97	1.18	0.87	0.89	0.96
0.76	0.77	0.66	0.71	1.09
0.92	1.03	0.80	0.79	1.09
0.83	0.69	0.75	0.72	1.12
0.53	0.68	0.58	0.59	1.29
0.84	0.98	0.82	0.74	1.13
0.59	0.60	0.60	0.48	0.99
0.78	0.97	0.74	0.75	0.89
0.61	0.87	0.57	0.59	1.12
0.58	0.78	0.59	0.62	1.32
0.54	0.77	0.63	0.62	1.28
0.76	0.91	0.82	0.77	1.69
0.84	0.89	0.76	0.78	1.13
0.81	0.59	0.68	0.55	0.96
0.61	0.75	0.73	0.63	1.16
0.65	0.77	0.70	0.64	0.90
0.61	0.98	0.62	0.68	1.31
0.55	0.70	0.60	0.56	1.25
1.04	1.26	1.01	0.97	1.10
0.73	0.81	0.72	0.71	1.18
1.00	0.97	0.99	0.87	1.07
0.61	0.95	0.80	0.67	1.35
0.87	0.76	0.73	0.65	1.05
0.72	1.03	0.75	0.77	1.17
0.63	0.70	0.59	0.58	1.21
0.85	0.93	0.79	0.84	1.13
0.62	0.89	0.51	0.60	0.99
0.83	0.83	0.77	0.69	1.13
0.71	1.07	0.80	0.87	1.39
0.53	0.66	0.58	0.40	1.37
0.94	1.01	1.01	0.91	1.17
0.85	0.65	0.60	0.62	1.15
0.82	0.90	0.88	0.77	1.08
0.48	0.68	0.61	0.54	1.35
0.53	0.54	0.59	0.44	1.14

0.80	0.93	0.75	0.68	1.15
0.60	0.78	0.72	0.65	1.26
0.76	0.84	0.65	0.64	1.03
0.72	0.74	0.69	0.68	1.27
0.66	0.75	0.72	0.64	1.21
0.88	0.89	0.71	0.77	0.95
0.57	0.86	0.62	0.57	1.40
0.72	0.90	0.67	0.69	1.19
0.61	0.72	0.61	0.62	1.20
0.66	0.88	0.77	0.75	1.22
0.86	0.83	0.72	0.75	1.09
0.78	0.88	0.69	0.53	1.11
0.60	0.71	0.62	0.57	1.23
0.77	0.94	0.80	0.80	1.18
0.68	0.87	0.70	0.72	1.19
0.80	0.85	0.69	0.76	1.03
0.56	0.73	0.68	0.60	1.39
0.64	0.73	0.66	0.62	1.10
0.56	0.81	0.64	0.62	1.25
0.78	0.92	1.01	0.71	1.43
0.71	0.85	0.70	0.71	1.13
0.75	0.69	0.66	0.59	1.22
0.71	0.78	0.51	0.52	0.98
0.48	0.56	0.62	0.55	1.26
0.69	1.32	0.98	0.97	1.03
0.86	0.98	0.81	0.65	1.07
0.71	0.91	0.75	0.67	1.41
0.63	0.74	0.69	0.59	1.26
0.67	0.94	0.73	0.66	1.36
0.92	0.79	0.93	0.88	1.13
0.70	1.11	0.78	0.93	1.23
0.68	0.72	0.96	0.59	1.40
0.52	0.74	0.64	0.52	1.30
0.54	0.78	0.52	0.61	1.50
0.68	0.90	0.70	0.73	1.10
0.81	0.96	0.65	0.85	1.00
0.65	0.69	0.67	0.64	1.00
0.64	0.79	0.58	0.62	1.47
0.61	0.92	0.75	0.70	1.65

0.87	0.77	0.88	0.81	1.11
0.83	0.92	0.77	0.66	1.08
0.57	0.81	0.82	0.76	1.30
0.69	0.77	0.57	0.64	0.80
0.55	0.96	0.63	0.59	1.33
0.72	1.04	0.67	0.79	1.29
0.63	0.80	0.72	0.66	1.25
0.63	0.86	0.54	0.51	1.15
0.52	0.55	0.55	0.25	0.96
0.75	0.83	0.71	0.80	1.16
0.66	0.78	0.78	0.64	1.03
0.92	1.00	0.80	0.84	1.00
0.87	1.05	0.68	0.69	1.07
0.75	0.95	0.60	0.57	1.15
0.93	0.79	0.61	0.58	0.74
0.91	0.86	0.70	0.70	1.20
1.11	1.12	0.84	1.28	1.03
0.57	0.78	0.63	0.56	1.35
0.46	0.62	0.62	0.56	1.35
0.71	0.77	0.72	0.82	1.23
0.79	1.07	0.76	0.76	1.11
0.66	0.78	0.70	0.67	1.08
0.87	0.82	0.80	0.71	1.04
0.64	0.68	0.67	0.56	1.17
0.78	0.98	0.93	0.94	1.17
0.88	0.98	1.36	1.17	1.36
0.74	0.93	0.71	0.68	1.15
0.64	0.67	0.64	0.60	1.07
0.89	0.84	0.85	0.81	1.10
0.68	0.71	0.68	0.71	1.01
0.99	0.98	0.69	0.68	0.80
0.84	0.93	0.82	0.79	1.09
0.48	0.83	0.65	0.50	1.61
0.72	0.96	0.74	0.79	1.36
0.60	0.75	0.67	0.66	1.25
0.92	0.98	0.72	0.62	0.87
0.95	1.11	1.03	0.84	1.04
0.82	0.93	0.77	0.73	1.17
0.82	0.91	0.72	0.82	1.12

0.71	0.81	0.71	0.77	1.15
0.63	0.63	0.68	0.58	1.13
0.58	0.73	0.61	0.57	1.21
0.70	0.81	0.61	0.68	1.14
0.84	0.59	0.77	0.70	1.11
0.76	1.01	0.76	0.79	1.11
0.85	0.94	0.77	0.67	0.95
0.66	0.76	0.63	0.61	1.06
0.79	0.83	0.65	0.62	0.97
0.74	0.56	0.55	0.53	1.09
0.51	0.58	0.60	0.55	1.25
0.69	0.92	0.70	0.60	1.25
0.83	0.70	0.72	0.63	1.31
0.62	0.92	0.68	0.69	1.33
0.56	0.85	0.74	0.59	1.42
0.73	0.78	0.70	0.69	1.14
0.74	0.55	0.71	0.65	1.17
0.76	0.87	0.72	0.71	1.12
0.55	0.67	0.54	0.52	1.16
0.65	0.80	0.64	0.55	1.15
0.58	0.69	0.62	0.60	1.21
0.49	0.72	0.62	0.55	1.37
0.69	0.69	0.62	0.60	1.14
0.64	0.57	0.55	0.55	1.31
0.97	1.02	0.78	0.75	0.64
1.00	1.25	0.94	1.00	1.20
0.62	0.66	0.72	0.64	1.23
0.74	0.80	0.73	0.72	1.12
0.92	0.68	0.59	0.61	0.99
0.62	0.69	0.65	0.60	1.22
0.84	0.69	0.75	0.61	1.00
0.72	0.91	0.60	0.61	0.95
0.83	1.10	0.89	0.85	1.15
0.68	0.84	0.84	0.75	1.02
0.80	0.84	0.72	0.68	1.03
0.71	1.43	0.76	0.81	1.26
0.72	0.81	0.69	0.66	1.12
0.64	0.71	0.69	0.66	1.20
0.58	0.78	0.70	0.52	1.21

2.49	3.24	2.82	2.48	1.23
0.52	0.44	0.61	0.58	1.31
0.51	0.71	0.62	0.65	1.34
0.87	1.02	0.84	1.06	1.12
0.73	0.99	0.61	0.94	1.14
0.68	1.06	0.78	0.62	1.25
0.70	0.88	0.69	0.78	1.17
0.64	0.80	0.53	0.73	1.35
0.57	0.80	0.62	0.59	1.29
0.66	0.75	0.82	0.83	1.20
0.63	0.88	0.63	0.47	0.98
0.80	0.80	0.74	0.73	1.27
0.83	0.80	0.63	0.57	0.92
0.73	0.98	0.78	0.70	1.16
0.86	1.03	1.00	0.86	1.14
1.04	0.84	0.78	0.97	0.86
0.59	0.74	0.56	0.54	1.09
0.74	0.88	0.75	0.73	1.13
0.74	0.94	0.72	0.64	1.17
1.00	0.92	0.70	0.69	1.04
0.68	0.83	0.94	0.74	1.43
0.53	0.79	0.64	0.61	1.30
0.51	0.87	0.57	0.52	1.30
0.57	0.75	0.63	0.58	1.28
0.90	0.91	0.86	1.35	1.02
0.61	0.68	0.56	0.45	1.31
0.64	0.83	0.62	0.65	1.25
0.63	0.72	0.69	0.71	1.26
0.71	0.86	0.68	0.65	1.15
0.65	1.04	0.76	0.76	1.30
0.93	0.69	0.68	0.68	1.12
0.50	0.49	0.73	0.55	1.56
0.92	0.94	0.87	0.89	0.80
0.96	1.05	1.02	1.00	1.22
0.80	0.94	0.79	0.85	1.11
0.79	0.89	0.74	0.88	1.11
0.77	0.95	0.70	0.58	1.06
0.63	0.74	0.70	0.68	1.28
0.83	0.69	0.66	0.66	1.04

0.97	0.83	1.05	0.95	1.05
0.79	0.76	0.69	0.73	1.00
0.94	0.99	0.71	0.85	1.04
0.76	0.55	0.77	0.74	1.12
0.60	0.98	0.73	0.77	1.05
0.70	0.79	0.70	0.69	1.19
0.80	0.94	0.98	0.92	1.36
0.70	0.86	0.70	0.65	1.21
0.67	0.92	0.72	0.71	1.22
0.72	0.79	0.80	0.82	1.19
0.72	0.77	0.63	0.56	1.30
0.78	0.72	0.75	0.61	1.13
0.62	0.71	0.55	0.53	1.14
0.78	0.83	0.81	0.86	1.22
0.76	0.87	0.79	0.70	1.13
0.82	0.89	0.70	0.80	1.03
1.08	1.04	0.85	0.81	1.00
0.64	0.60	0.54	0.56	1.30
0.88	0.93	0.64	0.82	1.05
0.63	0.80	0.67	0.62	1.24
0.71	0.91	0.68	0.71	1.07
0.70	0.91	0.74	0.73	1.16
0.48	0.64	0.53	0.67	1.44
0.51	0.91	0.65	0.58	1.42
0.57	0.70	0.61	0.61	1.36
0.78	0.92	0.77	0.65	1.31
0.81	0.80	0.75	0.69	0.98
0.68	0.85	0.78	0.71	1.08
0.86	1.02	0.71	0.82	1.20
0.65	0.93	0.68	0.62	1.30
0.63	0.78	0.72	0.76	1.29
0.68	0.88	0.90	0.70	1.41
0.74	0.69	0.71	0.58	1.07
0.71	1.49	0.74	0.58	1.48
0.53	0.64	0.63	0.50	1.11
0.68	0.88	0.72	0.69	1.17
0.57	0.71	0.61	0.56	1.24
0.55	0.81	0.59	0.47	1.49
0.91	1.08	1.00	0.94	0.93

0.46	0.48	0.62	0.51	1.29
0.73	0.94	0.77	0.70	1.20
0.71	0.74	0.75	0.79	1.22
0.74	1.06	0.88	0.82	1.14
0.42	0.52	0.58	0.49	1.43
0.73	1.07	0.82	0.72	1.23
0.73	0.58	0.59	0.61	0.84
0.60	0.80	0.51	0.40	1.16
0.77	0.82	0.79	1.16	1.03
0.34	0.71	0.61	0.54	2.09
0.73	0.60	0.70	0.63	1.16
0.93	1.11	0.90	0.82	1.09
0.71	1.03	1.09	0.93	1.21
0.68	0.82	0.53	0.68	1.16
0.65	0.83	0.69	0.65	1.28
0.63	0.79	0.69	0.65	1.15
0.62	0.81	0.69	0.67	1.37
0.62	0.76	0.62	0.62	1.22
0.77	0.98	0.76	0.91	1.05
0.60	0.66	0.63	0.67	1.06
0.85	0.92	0.89	0.93	1.27
0.50	0.61	0.64	0.58	1.31
0.75	0.99	0.69	0.93	1.28
6.28	7.98	6.69	5.80	1.19
0.79	0.89	0.73	0.74	1.02
0.90	0.95	0.83	0.89	1.06
0.74	0.88	0.72	0.63	1.07
0.76	0.80	0.76	0.79	1.17
0.64	0.94	0.65	0.54	1.16
0.60	0.87	0.57	0.60	1.10
0.54	0.61	0.63	0.55	1.23
0.75	0.92	0.82	0.81	1.23
0.61	0.56	0.55	0.39	0.83
0.71	0.67	0.68	0.56	1.07
0.59	0.71	0.69	0.58	1.23
0.70	0.99	0.68	0.61	1.18
0.73	0.52	0.71	0.62	1.09
0.41	0.88	0.75	0.74	2.38
0.63	0.90	0.60	0.57	1.24

0.54	0.70	0.61	0.57	1.22
0.81	1.02	0.89	0.79	1.17
0.73	0.78	1.08	0.62	1.25
0.64	0.80	0.62	0.74	1.34
0.49	0.58	0.58	0.56	1.39
0.71	0.84	0.74	0.62	1.13
0.85	0.59	0.64	0.61	1.09
0.83	0.96	0.74	1.05	1.14
0.84	0.80	0.77	0.90	0.90
0.62	0.73	0.64	0.65	1.20
0.90	1.23	1.01	1.06	1.20
0.81	0.87	0.74	0.74	1.06
0.91	1.03	0.89	0.99	1.09
0.80	0.84	0.74	0.72	1.05
0.88	0.95	0.96	0.84	1.12
0.65	0.86	0.68	0.64	1.31
0.74	0.87	0.65	0.63	1.30
0.74	0.80	0.69	0.63	1.03
0.78	0.82	0.65	0.80	1.09
0.68	0.89	0.68	0.75	1.29
0.73	0.67	0.69	0.72	0.96
0.66	0.76	0.65	0.63	1.22
0.63	0.72	0.63	0.64	1.08
0.24	0.98	0.76	0.72	3.54
0.56	0.72	0.62	0.59	1.25
0.66	0.73	0.67	0.56	1.20
0.91	1.00	0.91	0.96	1.10
0.93	1.16	0.82	0.86	0.98
0.83	0.93	0.80	0.84	1.07
1.89	2.26	1.60	1.06	1.27
0.67	0.73	0.71	0.64	1.12
0.67	0.88	0.64	0.60	1.21
0.71	0.87	0.73	0.73	1.16
0.70	0.53	0.55	0.48	1.06
0.69	0.72	0.66	0.65	1.03
0.80	1.00	0.75	0.53	1.14
0.71	0.94	0.66	0.71	1.10
0.75	0.88	0.70	0.65	1.09
0.73	0.78	0.73	0.74	1.15

0.78	0.91	0.89	0.78	1.07
0.76	0.85	0.80	0.78	1.06
0.66	0.83	0.68	0.78	1.13
2.44	2.89	2.15	1.89	1.18
0.73	0.82	0.75	0.76	1.15
0.73	0.92	0.69	0.67	1.14
0.76	0.61	0.74	0.69	1.03
0.76	0.98	0.72	0.74	1.29
0.50	1.01	0.68	0.54	1.67
0.77	0.82	0.75	0.73	1.20
0.55	0.73	0.61	0.59	1.33
0.71	0.81	0.79	0.60	0.97
0.74	0.66	0.52	0.50	0.96
0.62	0.72	0.65	0.58	1.15
0.68	0.76	0.65	0.63	1.08
0.89	1.25	0.84	1.01	0.82
0.86	0.84	1.22	0.68	0.90
0.74	0.61	0.69	0.65	1.22
0.71	1.13	0.76	0.81	1.25
0.79	1.02	0.69	0.66	1.29
0.82	1.39	0.95	1.17	1.51
0.70	0.76	0.64	0.58	1.03
0.69	0.80	0.71	0.66	1.16
0.60	0.77	0.52	0.60	1.32
0.73	0.88	0.70	0.70	1.20
0.67	0.94	0.77	0.69	1.23
0.66	0.72	0.61	0.52	1.09
0.48	0.68	0.58	0.56	1.46
0.62	0.74	0.62	0.60	1.17
0.89	1.00	0.83	0.86	1.08
0.98	0.99	0.56	0.92	0.75
0.53	0.72	0.51	0.48	1.27
0.45	0.55	0.66	0.52	1.49
0.97	0.75	0.79	1.21	1.23
0.37	0.59	0.47	0.47	1.78
0.85	0.87	0.72	0.72	0.96
0.75	0.80	0.55	0.66	0.85
0.53	0.69	0.60	0.54	1.22
0.79	0.83	0.84	0.68	1.09

0.82	0.88	0.82	0.86	0.91
0.28	0.43	1.09	0.40	1.53
0.48	0.64	0.61	0.62	1.30
0.61	0.77	0.60	0.53	1.23
0.80	0.88	0.74	0.70	1.01
0.70	0.84	0.78	0.63	1.20
0.64	0.81	0.66	0.66	1.23
0.59	0.69	0.63	0.55	1.18
0.68	0.83	0.65	0.64	1.13
0.74	0.88	0.72	0.75	1.05
0.56	0.80	1.41	0.66	1.10
1.06	1.25	1.03	0.91	1.02
0.70	0.77	0.69	0.66	1.07
0.69	0.76	0.69	0.66	1.03
0.87	1.05	0.89	0.86	1.17
0.84	0.71	0.78	0.78	1.08
0.74	0.92	0.74	0.65	1.26
0.64	0.79	0.66	0.62	1.10
0.76	0.68	0.78	0.84	1.10
1.10	0.93	1.12	0.62	1.03
0.60	0.96	0.68	0.57	1.26
0.89	0.90	0.84	0.81	1.09
0.93	0.69	0.62	0.64	1.01
0.48	0.76	0.64	0.63	1.46
0.56	0.71	0.67	0.63	1.25
0.64	0.61	0.38	0.74	1.02
0.64	0.83	0.69	0.63	1.17
0.63	0.86	0.84	0.86	1.37
0.87	0.91	0.72	0.71	0.98
0.51	0.73	0.62	0.55	1.35
0.34	0.37	0.38	0.35	1.34
0.77	1.61	0.74	0.65	1.50
0.95	0.80	0.65	0.84	1.10
0.95	0.75	0.69	0.72	1.23
0.93	0.73	0.63	0.67	1.08
0.74	0.90	0.69	0.71	1.02
0.80	0.83	0.77	0.78	1.16
0.89	0.92	0.97	1.19	1.24
0.57	0.96	0.66	0.64	1.26

0.97	0.73	0.64	0.65	1.03
0.55	0.67	0.63	0.59	1.32
1.01	0.67	1.10	0.83	1.10
0.59	0.75	0.65	0.65	1.24
0.94	0.76	0.62	0.65	0.98
0.82	0.60	0.79	0.67	1.10
0.58	0.69	0.69	0.59	1.32
0.65	0.62	0.75	0.62	1.25
0.71	0.89	0.72	0.72	1.17
0.59	0.79	0.65	0.63	1.30
0.65	0.89	0.69	0.63	1.19
0.85	1.07	0.86	0.78	1.11
0.62	0.83	0.75	0.68	1.29
0.86	1.22	0.68	0.77	0.98
0.72	0.84	0.65	0.69	1.17
0.73	0.73	0.66	0.86	0.96
0.66	0.91	0.76	0.73	1.38
0.76	0.91	0.82	0.79	1.18
0.83	0.95	0.91	0.92	1.14
0.66	0.79	0.60	0.60	0.97
0.56	0.66	0.63	0.54	1.53
0.58	1.18	0.81	0.71	1.54
0.97	0.78	0.67	0.76	1.07
0.78	0.84	0.70	0.68	1.10
0.73	0.89	0.79	0.78	1.33
0.47	0.68	0.62	0.57	1.48
0.88	1.15	0.93	0.94	1.47
0.85	1.01	0.81	0.74	1.13
0.54	0.78	0.72	0.59	1.07
0.49	0.56	0.65	0.64	1.74
1.04	0.83	0.54	0.72	0.75
0.71	0.85	0.68	0.68	1.06
0.85	0.94	0.79	0.65	0.96
0.67	0.56	0.69	0.53	1.15
0.78	0.91	0.76	0.74	1.08
0.94	0.91	0.83	1.60	0.89
0.63	0.76	0.70	0.58	1.19
0.65	0.79	0.69	0.67	1.19
0.56	0.78	0.66	0.62	1.20

0.72	0.86	0.69	0.64	1.17
0.62	0.80	0.82	0.86	1.30
0.70	0.72	0.68	0.66	1.07
0.78	0.83	0.70	0.67	1.08
0.98	1.20	0.95	1.27	1.37
0.85	0.97	0.74	0.74	1.06
0.69	0.92	0.68	0.69	1.24
0.70	0.87	0.70	0.68	1.15
0.69	0.61	0.63	0.62	1.22
0.80	0.76	0.73	0.72	1.06
0.77	0.83	0.72	0.71	1.17
0.67	0.76	0.65	0.60	1.12
0.63	0.87	0.76	0.71	1.28
0.67	0.76	0.70	2.38	1.17
0.76	0.54	0.70	0.50	1.04
0.48	0.79	0.53	0.65	1.38
0.60	0.60	0.74	0.53	1.40
0.62	0.70	0.98	0.56	1.26
0.68	0.87	0.61	0.64	1.20
0.89	1.48	0.98	1.09	1.21
0.58	0.72	0.60	0.57	1.22
0.58	0.75	0.62	0.58	1.16
1.71	2.27	1.94	1.65	1.17
0.34	0.97	0.51	0.66	1.50
0.78	0.88	1.03	0.63	0.87
0.71	0.84	0.73	0.75	1.45
0.67	1.06	0.80	0.71	1.27
0.80	0.78	0.67	0.84	1.20
0.89	1.16	1.05	0.92	1.14
1.31	1.45	1.23	1.07	1.07
0.54	0.82	0.73	0.56	1.40
1.00	1.00	0.85	0.63	1.01
0.69	0.84	0.70	0.63	1.15
0.84	0.89	0.76	0.81	1.00
0.88	0.91	0.77	0.72	1.04
0.54	0.73	0.60	0.57	1.28
0.65	0.38	0.56	0.50	0.90
0.62	0.81	0.63	0.54	1.30
0.61	0.81	0.65	0.66	1.16

0.73	0.95	0.75	0.79	1.20
0.74	0.61	0.72	0.59	1.14
0.60	0.69	0.65	0.56	1.26
0.73	0.86	0.76	0.77	1.21
0.71	1.04	0.83	0.70	1.37
1.11	0.93	0.97	0.91	0.93
0.73	0.97	0.71	0.92	1.26
0.85	0.95	0.76	0.71	1.07
0.97	1.04	0.65	0.60	0.78
0.80	1.08	0.86	1.01	1.17
0.75	0.78	0.67	0.60	1.08
0.70	1.00	0.76	0.63	1.14
0.79	0.63	0.75	0.69	1.17
0.74	0.97	0.95	0.81	1.27
0.91	2.74	0.84	1.01	1.18
0.63	0.75	0.67	0.68	1.30
0.93	1.01	0.82	0.71	1.04
0.76	1.02	0.80	0.74	1.20
0.91	1.02	0.81	1.04	1.19
0.55	0.73	0.61	0.57	1.27
0.79	0.95	0.85	0.69	1.13
5.19	6.19	5.22	4.36	1.17
0.67	0.76	0.67	0.64	1.11
0.89	0.98	0.80	1.46	1.07
0.72	0.89	0.67	0.68	1.08
0.80	0.96	0.77	0.66	1.14
0.65	0.91	0.66	0.59	1.24
0.55	0.83	0.60	0.56	1.23
0.42	0.68	0.46	0.63	1.24
0.68	0.86	0.63	0.69	1.33
0.55	0.76	0.56	0.51	1.22
0.88	0.98	0.80	0.86	1.03
0.62	0.82	0.71	0.63	1.24
0.59	0.79	0.69	0.57	1.23
0.75	0.73	0.68	0.66	1.10
0.55	0.71	0.59	0.52	1.24
0.80	0.99	0.78	0.79	1.10
0.77	0.73	0.77	0.77	1.10
1.11	1.36	1.07	0.99	1.15

0.78	0.89	0.78	0.76	1.18
0.87	0.89	0.80	0.72	1.04
0.59	1.21	0.68	0.67	1.28
0.55	0.60	0.69	0.66	1.24
0.59	0.84	0.85	0.94	1.36
0.71	0.76	0.75	0.71	1.18
0.77	0.86	0.89	0.66	1.09
0.74	0.82	0.70	0.54	1.10
0.69	0.70	0.73	0.70	1.23
0.68	0.83	0.71	0.66	1.22
0.73	0.58	0.63	0.57	1.24
0.91	1.06	0.90	1.44	1.27
0.75	0.94	0.73	0.64	1.09
0.77	0.88	0.74	1.18	1.09
0.92	1.00	0.91	0.87	1.02
0.93	0.92	0.86	0.85	1.06
0.90	1.02	0.91	0.98	1.08
0.64	1.03	0.74	0.66	1.54
0.64	0.84	0.70	0.67	1.26
0.55	0.81	0.62	0.60	1.14
0.73	0.83	0.78	0.68	1.04
1.74	2.06	1.10	0.90	1.07
0.83	0.83	0.60	0.83	0.90
0.63	0.96	0.79	0.86	0.91
0.58	0.84	0.51	0.64	1.00
1.00	0.77	0.72	0.67	1.06
0.92	0.95	0.81	0.78	1.01
0.87	1.08	0.87	0.78	1.22
0.68	1.53	1.02	0.91	1.49
0.78	0.61	0.71	0.69	1.08
0.50	0.72	0.61	0.47	1.35
0.53	0.80	0.76	0.68	1.42
0.79	0.96	0.76	0.76	1.04
0.56	0.97	0.68	0.60	1.26
0.67	0.84	0.71	0.64	1.21
0.61	0.77	0.57	0.58	1.24
0.71	0.80	0.72	0.70	1.10
0.56	0.61	0.65	0.51	1.14
0.57	0.88	0.63	0.64	1.19

0.66	0.84	0.70	0.67	1.21
0.75	1.23	0.67	0.83	1.38
0.67	0.79	0.70	0.67	1.16
0.67	0.91	0.75	0.75	1.32
0.61	0.68	0.64	0.51	1.15
0.54	0.72	0.61	0.57	1.33
0.68	0.77	0.66	0.59	1.04
0.52	0.80	0.60	0.61	1.39
0.65	0.79	0.66	0.62	1.13
0.64	0.94	0.67	0.61	1.09
0.56	0.76	0.68	0.79	1.36
0.65	0.96	0.65	0.67	1.19
0.51	0.74	0.57	0.66	1.44
0.80	1.14	0.79	1.26	1.27
0.69	0.64	0.50	0.54	1.07
0.47	0.50	0.43	0.44	1.02
0.70	0.74	0.69	0.74	1.09
0.75	0.98	0.72	0.96	1.26
0.57	0.78	0.68	0.56	1.28
0.77	0.84	0.84	0.81	1.13
0.68	0.75	0.67	0.64	1.16
1.07	0.87	0.80	0.93	0.78
0.72	0.86	0.72	0.69	1.19
0.61	0.98	0.59	0.72	1.43
0.64	0.75	0.67	0.61	1.21
0.56	0.75	0.67	0.60	1.31
0.71	0.80	0.53	0.56	0.91
0.54	0.60	0.63	0.32	0.76
0.94	1.40	1.03	0.95	1.37
0.70	0.79	0.76	0.71	1.19
0.71	0.86	0.72	0.72	1.16
0.59	0.85	0.66	0.64	1.22
0.54	0.73	0.64	0.47	1.34
0.68	0.93	0.73	0.71	1.20
0.60	0.70	0.68	0.70	1.14
0.84	0.60	0.70	0.57	0.99
0.81	1.24	0.84	1.29	1.41
0.88	0.83	0.84	0.86	1.07
0.68	0.80	0.72	0.67	1.20

0.61	0.67	0.63	0.60	1.13
0.55	0.70	0.65	0.63	1.24
0.60	0.84	0.69	0.72	1.40
0.51	0.82	0.68	0.64	1.21
0.70	0.79	0.66	0.63	1.05
0.78	0.50	0.74	0.54	0.71
0.29	1.47	0.66	0.81	1.86
0.58	0.64	0.65	0.48	1.21
0.61	0.45	0.62	0.61	1.05
0.84	0.95	0.71	0.68	1.02
0.66	0.74	0.69	0.63	1.17
0.53	0.71	0.61	0.59	1.35
0.77	0.81	0.76	0.74	1.15
0.65	0.90	0.72	0.66	1.31
1.02	0.88	0.77	0.78	1.06
0.52	0.70	0.57	0.47	1.34
0.73	1.06	0.61	0.61	1.07
3.31	3.91	3.39	2.93	1.22
0.54	0.64	0.70	0.52	1.17
0.66	0.84	0.63	0.61	1.17
0.61	0.85	0.55	0.54	1.19
0.64	0.84	0.65	0.59	1.27
0.89	1.00	0.84	0.87	1.04
0.80	0.80	0.63	0.67	1.30
0.56	0.78	0.63	0.64	1.40
0.81	0.94	0.82	0.82	1.26
0.61	0.79	0.71	0.65	1.27
0.59	0.90	0.71	0.69	1.40
0.81	0.69	0.86	0.84	1.12
0.56	0.81	0.83	0.68	1.27
0.68	0.76	0.81	0.58	1.18
0.60	0.68	0.64	0.63	1.15
0.78	0.93	0.74	0.76	1.08
0.69	0.71	0.64	0.60	1.13
0.62	0.78	0.70	0.69	1.17
0.50	0.94	0.48	0.62	1.43
0.71	0.91	1.05	0.71	1.46
0.62	0.74	0.73	0.67	1.39
0.68	0.95	0.72	0.66	1.13

0.61	1.28	0.91	0.85	2.29
0.78	0.90	0.81	0.71	1.24
0.63	0.73	0.60	0.73	1.28
1.02	0.82	0.72	0.81	1.27
0.77	0.77	0.82	0.77	1.11
0.71	0.74	0.74	0.71	1.09
0.80	0.94	0.66	0.67	1.18
1.56	0.95	1.65	0.89	0.60
0.66	1.08	0.65	0.70	1.61
0.61	0.81	0.62	0.63	1.23
0.51	0.85	0.78	0.63	1.40
0.87	0.72	0.67	0.70	1.09
0.52	0.73	0.60	0.72	1.36
0.68	0.83	0.79	0.72	1.13
0.65	0.76	0.74	0.75	1.22
0.75	0.90	1.03	0.83	1.29
0.69	0.79	0.67	0.70	1.11
0.56	0.70	0.76	0.60	1.27
0.74	0.93	0.72	0.82	1.15
0.60	0.76	0.64	0.62	1.15
0.72	1.00	0.90	0.81	1.42
0.62	0.71	0.63	0.56	1.36
0.72	0.95	0.61	0.69	1.14
0.51	0.71	0.60	0.59	1.36
0.54	0.74	0.68	0.63	1.29
0.76	0.57	0.64	0.60	1.19
0.62	0.85	0.73	0.60	1.30
0.57	1.53	0.72	0.82	1.54
0.61	0.73	0.67	0.68	1.42
0.77	0.89	0.73	0.65	1.09
1.30	1.04	0.64	0.31	1.24
0.84	1.29	0.74	0.81	1.09
0.76	0.83	0.69	0.65	1.07
0.61	0.62	0.59	0.46	1.06
0.64	0.69	0.59	0.75	1.09
0.63	0.84	0.58	0.57	1.20
0.81	0.76	0.73	0.61	1.00
0.77	0.88	0.73	0.69	1.02
0.88	0.93	0.79	0.85	1.06

0.75	0.63	0.77	0.71	1.18
0.68	0.81	0.59	0.63	1.05
0.57	0.73	0.53	0.65	1.28
0.72	0.89	0.69	0.70	1.12
0.79	0.85	0.70	0.70	0.99
0.71	0.79	0.66	0.67	1.07
0.85	0.95	0.89	0.76	0.97
0.71	0.79	0.71	0.74	1.02
0.77	0.82	0.72	0.68	0.99
0.71	0.83	0.69	0.68	1.11
0.64	0.73	0.58	0.64	1.07
0.87	0.94	0.69	0.62	1.01
0.50	0.80	0.52	0.58	1.09
0.69	0.86	0.72	0.71	1.26
0.52	0.72	0.64	0.56	1.36
0.57	1.00	0.67	0.65	1.41
0.77	0.90	0.69	0.68	1.14
0.86	0.85	0.79	0.71	0.94
0.85	0.94	0.81	0.83	1.18
0.94	0.85	0.80	0.86	1.21
0.99	1.17	0.75	0.60	0.95
0.56	0.74	0.65	0.64	1.30
0.67	1.02	0.66	0.61	1.42
0.72	0.80	0.67	0.73	1.07
0.82	0.90	0.70	0.71	0.99
0.93	0.86	1.00	0.83	1.01
0.86	0.85	0.75	0.74	0.95
0.79	0.80	0.91	0.81	1.04
0.85	0.95	0.72	0.71	1.07
0.86	1.17	0.72	0.86	1.34
0.84	0.90	0.69	0.87	1.09
0.61	0.85	0.65	0.74	1.33
0.76	0.84	0.57	0.79	1.00
1.07	1.33	1.05	1.12	1.03
0.92	0.94	0.89	0.79	0.89
0.61	0.67	0.62	0.62	1.20
0.60	0.56	0.68	0.68	1.07
0.67	0.66	0.54	0.28	1.01
0.58	0.82	0.71	0.53	1.40

0.61	0.84	0.69	0.67	1.24
0.59	0.82	0.65	0.68	1.53
0.68	0.84	0.73	0.73	1.12
0.85	0.97	0.84	0.73	1.05
0.76	0.99	0.75	0.85	1.25
0.54	0.90	0.65	0.60	1.35
0.71	0.85	0.74	0.58	1.23
0.66	0.77	0.65	0.66	1.16
0.60	1.00	0.65	0.48	1.37
0.57	0.86	0.69	0.77	1.55
0.64	0.62	0.62	0.34	0.72
0.57	0.73	0.64	0.59	1.29
0.65	0.76	0.62	0.63	1.09
1.02	1.23	0.99	1.10	1.17
0.79	0.90	0.75	0.55	1.08
0.73	0.89	0.65	0.57	1.09
0.78	0.76	0.79	0.77	1.09
0.57	0.75	0.65	0.61	1.26
0.68	0.91	0.70	0.67	1.36
0.81	1.02	0.76	0.79	1.14
0.70	0.65	0.56	0.67	1.27
0.77	1.12	0.96	0.95	14.69
0.68	0.81	0.69	0.62	1.15
0.76	0.90	0.74	0.68	1.18
0.91	0.89	0.77	0.62	1.03
0.93	0.64	0.91	0.74	0.92
0.78	1.03	0.66	0.71	1.25
0.99	1.17	0.85	0.79	1.11
0.80	0.96	0.62	0.64	0.97
0.72	0.87	0.79	0.68	1.11
0.70	0.79	0.77	0.58	1.44
0.78	0.79	0.66	0.75	1.09
0.60	0.83	0.59	0.49	1.20
0.82	0.89	0.80	0.79	1.19
0.48	0.86	0.67	0.76	1.56
0.81	0.90	0.84	0.80	1.17
0.49	0.65	0.56	0.50	1.21
0.65	0.73	0.60	0.50	1.02
0.57	0.68	0.66	0.60	1.25

0.80	0.60	0.62	0.62	1.25
0.50	0.58	0.47	0.49	1.12
0.68	0.89	0.69	0.64	1.19
0.80	0.92	0.67	0.64	1.11
0.73	0.87	0.81	0.67	1.11
0.57	0.98	0.96	0.75	1.23
0.68	0.66	0.60	0.61	1.06
0.65	0.64	0.59	0.52	0.95
0.84	0.88	0.71	0.64	1.08
0.66	0.84	0.73	0.66	1.09
0.51	0.85	0.64	0.59	1.40
0.88	0.69	0.79	0.66	1.01
0.75	0.83	0.75	0.70	1.15
0.51	0.69	0.64	0.55	1.51
1.41	1.38	0.81	0.60	0.73
0.55	0.57	0.59	0.52	1.46
0.74	0.89	0.69	0.69	1.13
0.91	0.90	0.86	0.99	1.13
0.54	0.60	0.65	0.57	1.21
0.69	0.98	0.81	0.93	1.19
0.81	0.76	0.83	0.87	1.26
0.68	0.67	0.83	0.64	1.25
0.67	1.31	0.72	0.73	1.35
1.24	1.55	1.57	1.13	1.35
0.98	1.30	0.98	0.92	1.20
0.85	0.91	0.79	0.82	1.10
0.78	0.62	0.60	0.65	1.14
0.41	0.91	0.53	0.41	1.44
0.52	0.52	0.54	0.41	1.00
0.56	0.82	0.60	0.53	1.44
0.72	0.89	0.75	0.84	1.20
1.11	1.97	0.93	1.64	1.04
0.82	1.09	0.96	0.92	1.14
1.02	1.32	0.90	0.83	0.99
0.75	0.59	0.70	0.59	1.20
0.84	0.95	0.79	0.84	1.15
0.68	0.84	0.78	0.65	1.14
0.81	0.92	0.74	0.68	1.28
0.54	1.02	0.78	0.72	1.37

0.46	0.76	0.65	0.49	1.35
0.59	0.83	0.61	0.64	1.18
0.44	0.56	0.67	0.64	1.31
0.68	0.80	0.66	0.61	1.12
0.75	0.78	0.68	0.62	1.19
0.89	0.62	0.78	0.63	1.02
0.72	0.87	0.72	0.70	1.14
0.78	1.00	0.82	0.75	1.26
0.50	0.82	0.66	0.58	1.37
1.03	0.89	1.24	0.71	1.08
1.00	1.18	0.89	0.84	1.13
0.65	0.83	0.70	0.62	1.21
0.81	1.04	0.77	0.75	1.27
0.99	1.54	0.96	1.03	0.94
1.07	1.22	1.00	1.18	1.32
0.73	0.78	0.73	0.64	1.12
0.61	0.53	0.68	0.66	1.29
0.62	0.74	0.79	0.63	0.92
0.51	0.67	0.60	0.61	1.53
0.57	0.68	0.68	0.57	1.28
0.78	0.88	0.70	0.64	1.09
0.85	0.65	0.66	0.64	1.09
0.62	0.75	0.66	0.67	1.20
0.63	0.83	0.72	0.59	1.21
0.60	0.75	0.61	0.93	2.34
0.54	1.08	0.77	0.59	1.28
0.54	0.64	0.69	0.50	1.11
0.43	0.61	0.51	0.44	1.40
0.70	0.94	0.78	0.88	1.28
0.65	0.82	0.65	0.64	1.13
0.78	0.81	0.72	0.77	1.05
0.58	0.73	0.64	0.58	1.26
0.86	0.87	0.94	0.75	1.05
0.61	0.74	0.61	0.57	1.35
0.65	0.92	0.81	0.73	1.08
0.61	0.95	0.61	0.69	1.36
0.83	0.95	0.87	0.80	1.10
0.77	0.87	0.74	0.73	1.08
0.75	0.99	0.68	0.80	1.19

0.60	0.52	0.59	0.54	1.04
0.65	0.68	0.82	0.62	1.31
0.60	0.66	0.65	0.58	1.05
0.50	0.75	0.60	0.68	1.53
0.59	0.75	0.64	0.62	1.34
0.85	0.98	0.81	0.72	1.15
0.80	0.98	0.76	0.75	1.07
0.66	0.72	0.68	0.68	1.14
0.59	0.77	0.70	0.56	1.17
0.57	0.86	0.82	0.67	1.25
0.58	0.78	0.75	0.67	1.15
0.71	0.84	0.67	0.64	1.14
0.64	0.70	0.78	0.65	1.08
0.64	0.92	0.76	0.71	1.33
0.71	0.89	0.76	0.72	1.27
0.99	1.07	0.95	1.08	1.08
0.74	0.64	0.70	0.59	0.95
0.64	0.81	0.75	0.73	1.35
0.84	0.99	0.74	0.73	1.05
0.71	0.61	0.62	0.99	0.81
0.76	0.69	0.75	0.65	0.92
0.60	0.76	0.71	0.65	1.36
0.83	0.96	0.78	0.81	1.10
0.96	1.14	0.83	0.92	1.05
0.93	0.64	0.66	0.62	1.06
1.23	0.90	0.90	0.92	1.09
0.98	0.81	0.71	0.83	1.18
0.91	1.21	0.94	0.91	1.01
0.67	0.72	0.63	0.60	1.03
0.94	0.72	0.62	0.63	1.05
0.76	0.58	0.81	0.70	1.12
0.62	0.82	0.72	0.72	1.50
1.65	0.80	0.56	0.52	0.39
0.82	0.90	0.77	0.86	1.12
0.90	0.96	0.84	1.64	1.07
0.76	0.61	0.74	0.71	1.17
0.66	0.78	0.65	0.67	1.28
0.51	0.72	0.52	0.54	1.17
0.76	0.86	0.78	0.75	1.06

0.67	0.86	0.74	0.70	1.19
0.55	0.67	0.62	0.58	1.19
0.63	0.87	0.72	0.67	1.29
0.36	0.59	0.56	0.51	1.40
0.87	0.94	0.81	0.72	1.05
1.08	0.90	0.71	0.82	1.03
0.71	1.70	0.71	0.81	1.31
0.75	0.95	0.77	0.73	1.19
0.54	0.76	0.60	0.47	1.35
0.59	0.76	0.69	0.70	1.39
0.78	0.75	0.70	0.69	1.08
0.81	1.01	0.79	0.71	1.16
0.57	0.95	0.57	0.48	1.42
0.60	0.59	0.55	0.56	1.27
0.64	0.89	0.68	0.61	1.18
0.62	0.78	0.68	0.74	1.33
0.74	0.73	0.68	0.69	0.95
0.53	0.63	0.62	0.54	1.22
0.73	0.89	0.72	0.72	1.24
0.64	0.77	0.57	0.68	1.26
0.74	0.81	0.72	0.68	1.19
0.84	0.68	0.62	0.61	1.14
0.74	0.77	0.81	0.79	0.95
0.72	0.74	0.68	0.73	1.09
0.76	0.67	0.65	0.57	0.93
0.87	0.93	0.71	0.77	1.01
0.62	0.70	0.55	0.53	1.09
0.65	0.74	0.70	0.66	1.24
0.83	0.98	0.98	0.89	1.41
0.76	1.04	0.76	0.50	0.83
0.60	0.60	0.61	0.49	1.11
0.59	0.62	0.64	0.56	1.21
1.02	1.16	0.79	1.04	0.97
0.91	1.16	0.67	0.82	1.07
0.80	1.10	0.79	0.99	1.24
0.74	0.93	0.79	0.70	1.20
0.75	0.89	0.70	0.62	1.18
0.65	0.76	0.69	0.63	1.09
1.02	1.04	0.81	0.82	0.97

0.94	0.70	0.84	0.80	0.99
0.60	0.75	0.71	0.65	1.41
0.49	0.59	0.57	0.45	1.16
0.68	0.82	0.76	0.90	1.25
0.62	0.96	0.65	0.59	1.24
0.77	1.00	0.75	0.78	1.03
0.71	0.64	0.69	0.63	1.02

Park et al., Supplementary Table 6

Proteins identified with Compound 5-matrix in lysates from Mycobacterium Bovis BCG cell extracts. Generation of IC50 values for test compound Compound 6

Abbreviations: SSM; number of spectrum-to-sequence matches, UPM; unique peptide matches, NA; not available

Experiment ID	Protein Name	Mascot Score	SSM	UPM	SSM used for quantification	abundance relative to vehicle					
						TMT126	TMT127L	TMT127H	TMT128L	TMT128H	TMT129L
X020165	BCG_3481C	1229	31	21	26	0.28	0.32	0.47	0.62	0.80	1.00
X020165	BCG_1908C	1061	28	13	15	0.53	0.74	0.81	0.81	0.86	1.00
X020165	BCG_0005	546	20	10	10	0.89	0.92	0.88	1.02	1.09	1.00
X020165	BCG_0006	1511	34	24	24	0.90	1.00	0.90	0.96	1.00	1.00
X020165	BCG_0007	334	8	6	6	0.97	1.11	1.12	1.06	1.03	1.00
X020165	BCG_0008C	155	3	2	2	1.04	0.91	0.95	1.17	1.04	1.00
X020165	BCG_0009	324	11	5	8	1.11	0.91	1.02	1.14	1.19	1.00
X020165	BCG_0023C	402	7	4	4	0.99	0.92	0.98	1.03	1.16	1.00
X020165	BCG_0027C	258	11	4	5	0.91	1.11	0.90	0.87	1.12	1.00
X020165	BCG_0029C	63	2	2	2	0.61	0.93	0.77	0.88	0.75	1.00
X020165	BCG_0031	118	5	2	2	1.02	0.87	0.91	0.94	0.99	1.00
X020165	BCG_0032	810	16	12	13	0.94	0.82	0.91	0.97	1.08	1.00
X020165	BCG_0044C	502	9	8	8	0.85	0.86	0.99	0.99	1.02	1.00
X020165	BCG_0045C	296	8	3	3	0.94	1.15	0.96	1.00	0.97	1.00
X020165	BCG_0046C	232	6	5	5	1.03	1.15	0.91	0.93	0.98	1.00
X020165	BCG_0048C	453	10	5	5	0.90	0.82	0.89	0.95	1.06	1.00
X020165	BCG_0049C	223	5	5	5	1.06	0.94	1.03	1.03	1.09	1.00
X020165	BCG_0050C	512	13	10	11	1.25	1.04	1.02	1.09	1.09	1.00
X020165	BCG_0072	488	12	8	8	1.05	0.94	0.84	0.93	1.12	1.00
X020165	BCG_0075C	312	8	7	7	0.86	0.92	0.96	0.96	0.97	1.00
X020165	BCG_0076C	93	2	2	2	1.31	1.12	1.06	0.98	0.98	1.00
X020165	BCG_0077C	701	16	10	10	0.89	0.67	0.87	0.93	1.10	1.00
X020165	BCG_0078C	276	6	3	3	1.17	1.48	1.31	1.22	1.27	1.00
X020165	BCG_0079C	329	8	4	4	0.86	0.90	0.93	0.94	1.03	1.00
X020165	BCG_0081	264	7	2	2	1.12	1.32	0.89	1.08	1.10	1.00
X020165	BCG_0082	141	4	2	2	0.88	0.99	1.11	1.00	1.01	1.00
X020165	BCG_0083	67	2	2	2	1.02	1.12	0.98	1.23	0.96	1.00
X020165	BCG_0084	340	9	6	7	0.96	0.88	1.12	1.01	1.03	1.00

X020165	BCG_0085	490	13	6	6	1.08	0.89	1.07	1.08	1.12	1.00
X020165	BCG_0086	256	13	7	10	0.95	0.90	1.05	0.90	1.09	1.00
X020165	BCG_0087	391	15	7	11	0.93	0.91	1.09	1.04	1.01	1.00
X020165	BCG_0091	72	3	2	2	0.95	0.83	1.00	1.14	1.14	1.00
X020165	BCG_0097C	627	18	12	12	0.84	0.85	0.76	0.94	0.97	1.00
X020165	BCG_0110C	167	4	2	2	1.21	0.94	0.94	1.08	1.15	1.00
X020165	BCG_0112	163	3	3	3	1.30	1.38	1.05	1.13	1.15	1.00
X020165	BCG_0121	436	15	9	12	0.98	0.83	0.86	0.85	0.98	1.00
X020165	BCG_0140C	282	8	4	4	1.05	1.40	1.10	1.08	0.97	1.00
X020165	BCG_0155C	85	3	2	2	1.09	1.40	1.18	1.18	1.12	1.00
X020165	BCG_0157	104	7	2	2	1.22	1.15	1.22	1.16	1.28	1.00
X020165	BCG_0160	430	10	6	6	1.11	0.94	1.05	1.04	1.11	1.00
X020165	BCG_0161	684	16	11	11	0.87	1.19	0.89	0.97	1.02	1.00
X020165	BCG_0165C	303	7	5	5	0.95	1.13	1.05	1.01	1.04	1.00
X020165	BCG_0172	135	4	3	3	1.04	1.16	1.15	0.97	1.06	1.00
X020165	BCG_0173C	122	3	3	3	1.16	1.12	1.17	1.13	1.16	1.00
X020165	BCG_0177C	92	2	2	2	1.25	0.84	0.98	1.21	1.19	1.00
X020165	BCG_0180	288	5	4	4	0.90	0.94	0.85	0.97	1.00	1.00
X020165	BCG_0183	815	20	11	12	0.87	0.86	0.91	0.84	1.06	1.00
X020165	BCG_0184	945	17	11	14	0.96	0.72	0.88	0.92	1.13	1.00
X020165	BCG_0190C	210	7	5	5	0.90	0.78	0.80	0.83	0.93	1.00
X020165	BCG_0191	659	14	9	9	0.89	0.97	0.89	0.97	0.99	1.00
X020165	BCG_0193	448	10	5	6	0.86	0.94	1.00	0.96	0.96	1.00
X020165	BCG_0197	294	6	3	3	1.13	1.14	1.05	1.17	1.09	1.00
X020165	BCG_0200	256	11	5	8	0.98	0.87	0.90	1.11	1.11	1.00
X020165	BCG_0206	140	5	3	3	1.80	0.83	1.16	1.33	0.93	1.00
X020165	BCG_0207	307	7	3	3	0.88	0.76	1.16	1.00	0.94	1.00
X020165	BCG_0208	175	5	2	2	0.92	0.98	1.42	1.04	0.93	1.00
X020165	BCG_0209	211	4	4	4	0.99	1.14	1.13	1.05	1.03	1.00
X020165	BCG_0210	517	12	4	4	0.94	0.96	1.07	0.98	0.94	1.00
X020165	BCG_0211	275	5	4	4	0.89	1.10	1.01	0.92	0.92	1.00
X020165	BCG_0212	142	2	2	2	0.85	0.71	0.82	0.90	1.04	1.00
X020165	BCG_0213	263	7	7	7	1.06	1.23	1.04	1.02	1.04	1.00
X020165	BCG_0214	132	5	3	3	0.97	1.04	1.06	1.06	1.08	1.00
X020165	BCG_0215	514	10	5	6	0.86	1.01	0.92	0.98	1.06	1.00
X020165	BCG_0217C	270	8	5	5	1.03	1.37	1.04	1.01	1.00	1.00
X020165	BCG_0220	245	5	4	5	0.96	0.87	0.90	0.95	0.98	1.00
X020165	BCG_0224	222	6	3	3	1.03	0.81	0.97	0.94	1.00	1.00
X020165	BCG_0226C	505	10	7	7	0.98	0.99	0.97	1.04	1.10	1.00
X020165	BCG_0227	282	7	4	4	1.06	1.00	0.91	0.93	1.13	1.00

X020165	BCG_0235C	514	10	8	8	1.00	0.99	1.01	1.00	1.11	1.00
X020165	BCG_0237	158	4	2	2	1.03	1.02	0.96	1.13	1.13	1.00
X020165	BCG_0243C	949	25	14	14	0.88	0.99	0.95	0.94	0.96	1.00
X020165	BCG_0244C	90	2	2	2	1.02	1.06	1.20	1.09	1.20	1.00
X020165	BCG_0248	529	15	7	7	1.09	0.97	1.02	0.94	1.11	1.00
X020165	BCG_0253	370	9	7	7	0.91	0.78	0.78	0.88	1.03	1.00
X020165	BCG_0254C	145	3	2	2	1.03	0.88	0.97	1.15	1.04	1.00
X020165	BCG_0264C	691	16	10	11	0.83	0.70	0.85	0.75	0.91	1.00
X020165	BCG_0268	289	10	4	5	0.97	1.13	0.93	0.97	1.09	1.00
X020165	BCG_0271C	379	8	4	4	0.89	0.91	0.76	0.82	1.00	1.00
X020165	BCG_0275	198	8	4	4	1.13	1.28	1.11	1.14	1.04	1.00
X020165	BCG_0276	123	3	3	3	1.02	0.80	1.04	1.07	1.13	1.00
X020165	BCG_0279C	95	4	2	2	0.90	1.62	0.97	0.90	1.07	1.00
X020165	BCG_0280C	1233	27	18	20	0.92	0.96	0.96	1.01	1.07	1.00
X020165	BCG_0281	811	23	12	14	1.00	0.90	1.05	1.07	1.15	1.00
X020165	BCG_0282C	622	17	8	8	0.87	0.95	0.91	0.95	1.12	1.00
X020165	BCG_0285C	865	22	15	18	0.91	0.83	0.95	0.99	1.04	1.00
X020165	BCG_0286C	1392	36	24	26	0.92	0.89	1.01	1.04	1.09	1.00
X020165	BCG_0287C	280	6	5	5	0.80	0.84	0.89	0.97	1.02	1.00
X020165	BCG_0289C	379	11	7	7	1.09	1.08	1.15	1.15	1.08	1.00
X020165	BCG_0298C	388	10	5	5	1.19	1.18	1.31	1.04	0.99	1.00
X020165	BCG_0300C	92	3	2	2	1.20	1.50	1.26	1.17	0.99	1.00
X020165	BCG_0308	730	18	13	14	0.80	0.69	0.84	0.87	1.05	1.00
X020165	BCG_0309C	131	4	2	2	0.90	0.86	0.94	0.97	1.13	1.00
X020165	BCG_0310C	84	3	2	2	1.03	1.04	0.99	1.03	0.95	1.00
X020165	BCG_0321	380	10	4	4	1.18	1.22	0.96	1.02	1.12	1.00
X020165	BCG_0324	411	11	7	7	0.99	1.02	1.04	1.03	0.95	1.00
X020165	BCG_0330	105	3	3	3	0.83	1.38	1.07	1.11	0.98	1.00
X020165	BCG_0336C	183	3	3	3	1.04	0.98	0.97	1.04	1.04	1.00
X020165	BCG_0347C	143	5	4	4	1.26	1.05	1.17	1.20	1.09	1.00
X020165	BCG_0370	229	5	2	2	0.92	0.99	0.84	0.90	1.01	1.00
X020165	BCG_0371	78	2	2	2	1.24	1.03	1.08	1.13	1.11	1.00
X020165	BCG_0372	157	3	2	2	1.18	1.35	1.12	1.17	1.11	1.00
X020165	BCG_0377C	881	24	14	14	0.91	1.17	0.89	0.97	0.93	1.00
X020165	BCG_0389	1654	60	29	46	0.99	0.90	1.13	1.10	1.13	1.00
X020165	BCG_0390	148	5	3	3	0.99	1.03	0.97	1.01	0.96	1.00
X020165	BCG_0391	491	11	8	8	1.09	1.15	1.11	1.15	1.10	1.00
X020165	BCG_0395C	263	10	6	6	1.02	1.16	0.82	0.91	1.02	1.00
X020165	BCG_0396	167	5	3	3	0.99	1.19	0.90	0.93	0.95	1.00
X020165	BCG_0401C	567	12	10	12	1.00	0.87	0.96	1.00	1.06	1.00

X020165	BCG_0402	80	4	3	3	1.12	0.90	1.05	1.02	1.09	1.00
X020165	BCG_0403C	308	6	4	4	0.98	0.85	1.01	0.96	0.99	1.00
X020165	BCG_0417	212	6	5	6	1.13	0.89	0.93	1.08	1.07	1.00
X020165	BCG_0420C	130	3	2	2	0.98	0.86	0.83	0.90	1.00	1.00
X020165	BCG_0421C	158	5	3	3	1.18	1.00	1.10	1.02	1.16	1.00
X020165	BCG_0422C	1365	33	23	23	0.88	0.91	0.85	0.91	1.06	1.00
X020165	BCG_0426	186	3	3	3	0.94	1.26	0.88	0.99	0.94	1.00
X020165	BCG_0431C	241	5	4	4	0.98	0.94	0.95	0.95	0.99	1.00
X020165	BCG_0437C	567	14	11	11	1.04	0.86	0.91	0.91	0.97	1.00
X020165	BCG_0445C	293	6	5	5	0.99	0.97	0.93	0.94	1.01	1.00
X020165	BCG_0446	464	10	8	8	0.89	0.80	0.81	0.91	0.99	1.00
X020165	BCG_0447	271	8	6	6	1.03	1.18	1.04	1.05	1.01	1.00
X020165	BCG_0449C	255	8	3	3	0.85	0.88	0.91	0.92	1.08	1.00
X020165	BCG_0450C	155	5	3	3	1.05	1.06	1.04	1.01	1.00	1.00
X020165	BCG_0451C	154	6	4	4	1.12	1.10	1.09	1.04	0.91	1.00
X020165	BCG_0457	548	12	11	11	0.89	0.91	0.98	0.92	0.97	1.00
X020165	BCG_0461C	141	2	2	2	0.92	0.91	0.90	1.09	0.93	1.00
X020165	BCG_0462C	406	10	5	5	0.85	1.14	0.81	0.79	0.88	1.00
X020165	BCG_0466C	142	3	3	3	1.24	0.89	1.12	1.16	1.23	1.00
X020165	BCG_0468C	157	4	3	3	1.19	1.33	0.99	1.18	1.04	1.00
X020165	BCG_0470	117	2	2	2	1.02	1.24	1.05	1.09	1.04	1.00
X020165	BCG_0471	163	3	3	3	1.01	1.34	1.02	1.07	0.90	1.00
X020165	BCG_0472	204	7	3	3	0.92	1.26	0.92	0.98	1.16	1.00
X020165	BCG_0474C	233	6	4	4	0.89	0.88	0.80	0.86	0.88	1.00
X020165	BCG_0476C	210	4	4	4	1.00	0.87	1.01	1.01	0.94	1.00
X020165	BCG_0478C	232	6	2	2	1.25	0.93	1.06	1.00	1.40	1.00
X020165	BCG_0479	2355	94	30	63	0.98	0.78	1.01	1.01	1.07	1.00
X020165	BCG_0498	165	4	4	4	0.87	0.92	0.88	0.90	0.92	1.00
X020165	BCG_0502	1115	22	17	17	0.86	0.76	0.90	0.94	1.02	1.00
X020165	BCG_0504C	436	12	6	9	1.11	0.98	1.03	1.01	0.99	1.00
X020165	BCG_0505C	269	8	5	5	0.99	1.11	0.92	1.11	1.29	1.00
X020165	BCG_0506	376	10	6	7	1.00	0.92	1.05	1.07	1.13	1.00
X020165	BCG_0507	560	17	13	13	0.89	0.88	0.89	0.92	1.04	1.00
X020165	BCG_0508	761	15	12	12	0.96	0.86	0.95	0.98	1.04	1.00
X020165	BCG_0509	689	15	10	11	0.86	0.68	0.85	0.85	1.08	1.00
X020165	BCG_0510C	625	18	9	12	0.91	0.95	1.06	1.01	0.98	1.00
X020165	BCG_0513C	179	4	3	3	1.28	0.87	0.97	0.87	1.11	1.00
X020165	BCG_0516	486	13	9	10	1.05	0.84	1.02	1.03	1.26	1.00
X020165	BCG_0520C	348	7	4	4	0.66	0.82	0.78	0.78	0.93	1.00
X020165	BCG_0521C	207	4	2	2	0.98	0.83	1.03	0.98	1.10	1.00

X020165	BCG_0525C	414	8	4	4	0.92	0.81	0.90	0.92	1.09	1.00
X020165	BCG_0530	413	8	7	7	0.98	0.86	0.86	0.93	1.06	1.00
X020165	BCG_0531	231	6	3	3	0.94	1.24	1.15	1.03	1.05	1.00
X020165	BCG_0532	346	9	6	6	0.98	0.90	0.84	0.88	1.02	1.00
X020165	BCG_0539	246	4	4	4	1.01	1.36	1.11	1.15	1.10	1.00
X020165	BCG_0540	283	6	5	5	0.89	0.87	1.06	0.92	1.03	1.00
X020165	BCG_0542	296	9	3	3	0.86	0.80	0.83	0.95	1.01	1.00
X020165	BCG_0543	111	2	2	2	0.80	0.74	0.93	0.95	1.05	1.00
X020165	BCG_0545	167	3	2	2	1.11	1.01	0.96	0.96	1.05	1.00
X020165	BCG_0546C	359	7	7	7	1.04	0.88	0.97	1.04	1.07	1.00
X020165	BCG_0547C	179	6	5	6	0.90	0.72	0.77	0.80	0.97	1.00
X020165	BCG_0553	185	4	2	2	1.37	0.77	1.13	1.31	1.26	1.00
X020165	BCG_0554	630	13	7	7	0.88	0.92	0.93	0.97	1.03	1.00
X020165	BCG_0555	418	9	6	6	0.82	0.89	0.91	0.87	0.91	1.00
X020165	BCG_0556	250	6	3	3	0.87	0.83	0.86	0.95	1.07	1.00
X020165	BCG_0566C	253	6	4	4	0.88	0.96	1.08	1.10	1.07	1.00
X020165	BCG_0567	265	7	2	2	0.73	0.72	0.73	0.74	0.87	1.00
X020165	BCG_0568	319	7	3	3	1.18	1.27	1.27	1.35	1.28	1.00
X020165	BCG_0569	84	3	2	2	0.91	1.05	0.90	0.96	0.93	1.00
X020165	BCG_0571	139	6	3	3	1.05	1.21	1.05	1.03	0.99	1.00
X020165	BCG_0573	645	17	11	12	1.02	1.40	1.15	1.11	1.15	1.00
X020165	BCG_0577C	125	3	2	2	1.07	0.82	0.93	0.88	1.02	1.00
X020165	BCG_0582	117	3	3	3	0.95	1.03	1.05	0.97	0.98	1.00
X020165	BCG_0591C	273	7	2	2	0.84	0.75	0.92	0.87	0.99	1.00
X020165	BCG_0592C	313	9	3	3	1.05	1.08	0.96	1.04	1.01	1.00
X020165	BCG_0599	162	7	2	2	1.03	1.11	1.11	1.27	1.08	1.00
X020165	BCG_0600	111	5	3	3	1.50	1.29	0.95	1.08	1.02	1.00
X020165	BCG_0603	220	4	3	3	1.31	1.02	0.97	0.98	1.04	1.00
X020165	BCG_0607	363	6	4	4	1.13	1.13	1.11	1.06	1.09	1.00
X020165	BCG_0611C	672	14	9	9	0.98	0.83	0.84	0.91	1.12	1.00
X020165	BCG_0613	487	9	7	7	0.95	0.95	1.06	0.90	1.01	1.00
X020165	BCG_0621	209	5	3	3	1.13	0.86	1.09	1.13	1.18	1.00
X020165	BCG_0625C	169	5	4	5	1.07	0.83	1.16	1.03	1.14	1.00
X020165	BCG_0660C	379	10	6	6	0.91	1.39	0.95	0.94	1.01	1.00
X020165	BCG_0680C	148	5	4	4	0.67	0.76	0.74	0.71	0.71	1.00
X020165	BCG_0681C	255	5	3	3	1.53	1.02	1.42	1.19	1.14	1.00
X020165	BCG_0683	78	6	2	2	0.92	1.03	1.27	1.26	1.09	1.00
X020165	BCG_0684	187	7	3	3	0.98	0.76	0.91	0.91	1.06	1.00
X020165	BCG_0685	321	8	8	8	1.06	0.89	0.94	1.07	1.10	1.00
X020165	BCG_0686	302	11	6	7	1.07	1.04	1.77	1.07	1.10	1.00

X020165	BCG_0687	242	6	3	4	0.98	1.18	1.10	1.04	0.99	1.00
X020165	BCG_0688	428	10	3	4	1.05	0.83	0.99	1.05	1.14	1.00
X020165	BCG_0689	475	12	8	10	0.83	0.79	1.00	0.93	0.91	1.00
X020165	BCG_0690	920	29	16	20	1.03	1.04	1.14	0.98	0.99	1.00
X020165	BCG_0691C	443	10	6	6	0.99	0.86	0.94	0.93	1.07	1.00
X020165	BCG_0692C	77	2	2	2	1.11	0.84	1.01	1.21	1.11	1.00
X020165	BCG_0693C	208	3	3	3	1.06	1.08	0.97	0.96	1.14	1.00
X020165	BCG_0695C	323	8	5	6	0.87	0.96	0.80	0.78	0.88	1.00
X020165	BCG_0696C	435	12	6	6	1.06	0.97	0.92	1.02	1.18	1.00
X020165	BCG_0700	739	20	11	16	0.93	0.89	1.09	0.95	0.96	1.00
X020165	BCG_0701	381	17	6	12	1.21	1.02	1.21	1.17	1.06	1.00
X020165	BCG_0704	415	11	6	6	0.82	1.01	0.91	0.96	0.95	1.00
X020165	BCG_0712	399	9	6	6	0.94	0.91	0.85	0.89	0.92	1.00
X020165	BCG_0716	2680	81	43	57	0.93	1.12	0.95	0.97	1.13	1.00
X020165	BCG_0717	4495	119	75	89	0.89	1.07	0.94	0.93	1.12	1.00
X020165	BCG_0719	215	3	3	3	1.03	0.94	0.92	0.94	0.98	1.00
X020165	BCG_0721	155	4	3	3	0.88	0.88	0.70	0.86	0.81	1.00
X020165	BCG_0725C	251	5	2	2	0.87	1.11	0.88	0.92	0.92	1.00
X020165	BCG_0726C	323	6	4	4	0.87	0.90	0.86	0.85	0.96	1.00
X020165	BCG_0727	276	5	3	3	0.94	0.73	0.98	0.93	1.06	1.00
X020165	BCG_0731	207	8	3	3	0.80	1.04	0.82	0.92	0.90	1.00
X020165	BCG_0732	600	23	11	16	0.90	0.91	0.97	1.00	1.01	1.00
X020165	BCG_0733	1172	27	17	17	0.84	0.78	0.76	0.92	1.06	1.00
X020165	BCG_0734	1473	50	20	31	0.95	0.74	0.88	0.89	1.08	1.00
X020165	BCG_0735	120	5	2	2	1.17	1.36	1.24	1.23	0.99	1.00
X020165	BCG_0737	225	6	4	5	0.88	0.86	0.87	0.92	1.10	1.00
X020165	BCG_0743	246	6	4	4	0.91	0.94	0.98	0.91	0.98	1.00
X020165	BCG_0750	449	13	9	12	0.93	1.06	1.12	1.03	1.03	1.00
X020165	BCG_0751	707	21	12	17	0.95	0.90	0.95	0.97	1.00	1.00
X020165	BCG_0752	460	12	9	10	0.91	0.95	1.06	1.02	0.95	1.00
X020165	BCG_0753	410	12	7	7	0.96	0.89	1.11	0.99	0.99	1.00
X020165	BCG_0755	286	12	6	8	0.91	0.89	1.00	0.92	0.95	1.00
X020165	BCG_0757	1413	44	25	31	0.94	0.90	0.85	0.97	1.02	1.00
X020165	BCG_0758	221	11	3	4	0.95	0.90	0.83	0.88	1.09	1.00
X020165	BCG_0759	192	6	5	5	0.93	0.99	1.12	1.26	1.08	1.00
X020165	BCG_0760	435	18	8	10	0.84	0.81	0.89	0.86	0.88	1.00
X020165	BCG_0764	462	19	11	12	0.88	0.93	1.02	0.95	0.95	1.00
X020165	BCG_0765	231	7	6	6	0.91	1.08	1.06	1.05	1.01	1.00
X020165	BCG_0766	587	18	10	14	0.91	0.89	1.03	1.01	1.01	1.00
X020165	BCG_0768	447	19	9	10	0.90	0.90	1.16	1.04	1.04	1.00

X020165	BCG_0769	412	14	7	9	0.91	0.91	1.10	0.99	0.99	1.00
X020165	BCG_0770	233	9	5	5	0.75	0.81	0.78	0.82	0.81	1.00
X020165	BCG_0771	762	22	12	14	0.86	1.20	0.89	1.07	1.18	1.00
X020165	BCG_0772	164	5	3	4	0.88	1.00	1.07	0.96	0.94	1.00
X020165	BCG_0773	275	8	4	6	0.86	0.90	1.14	0.96	0.99	1.00
X020165	BCG_0774	204	6	5	5	1.01	0.95	0.98	0.98	0.98	1.00
X020165	BCG_0780	291	7	5	5	0.98	0.83	0.88	0.96	1.07	1.00
X020165	BCG_0781C	284	7	4	4	1.05	0.76	0.92	0.96	1.16	1.00
X020165	BCG_0782	342	14	6	6	0.91	0.90	1.13	1.04	1.05	1.00
X020165	BCG_0783	539	13	11	12	1.12	0.91	1.00	1.12	1.19	1.00
X020165	BCG_0803C	50	2	2	2	0.87	1.07	0.86	0.80	0.83	1.00
X020165	BCG_0804C	650	12	6	6	0.97	0.90	0.92	0.98	1.02	1.00
X020165	BCG_0809	516	10	7	7	0.86	0.75	0.94	0.94	1.04	1.00
X020165	BCG_0812C	190	3	3	3	1.00	0.81	0.86	0.96	1.14	1.00
X020165	BCG_0813C	718	26	10	15	0.85	0.70	0.82	0.86	1.04	1.00
X020165	BCG_0824	638	14	10	10	0.99	1.02	0.97	0.94	0.87	1.00
X020165	BCG_0829	376	9	4	4	0.95	0.97	0.94	0.99	0.98	1.00
X020165	BCG_0833	132	4	3	3	1.02	1.19	0.95	1.02	0.98	1.00
X020165	BCG_0835	393	10	7	7	1.08	0.94	1.01	0.90	1.01	1.00
X020165	BCG_0840	118	2	2	2	1.41	1.18	1.26	1.30	1.11	1.00
X020165	BCG_0841	261	5	4	4	1.03	0.92	0.98	0.98	1.11	1.00
X020165	BCG_0850C	497	10	6	6	0.87	1.02	0.94	0.85	0.76	1.00
X020165	BCG_0852	166	6	3	3	0.93	0.84	1.09	1.07	1.04	1.00
X020165	BCG_0853	82	2	2	2	0.90	1.05	0.80	1.18	0.92	1.00
X020165	BCG_0855	260	8	4	4	0.94	1.10	1.03	1.09	1.19	1.00
X020165	BCG_0858C	60	3	2	2	0.92	1.37	0.95	0.91	0.93	1.00
X020165	BCG_0861	372	10	5	5	0.94	0.91	0.86	0.95	1.06	1.00
X020165	BCG_0863C	100	5	2	2	0.90	1.07	0.85	0.87	0.86	1.00
X020165	BCG_0866C	188	5	3	3	1.19	0.91	1.04	1.27	1.18	1.00
X020165	BCG_0871	148	2	2	2	1.02	0.98	0.89	0.80	0.99	1.00
X020165	BCG_0877C	700	18	12	14	1.01	0.83	0.94	0.98	1.14	1.00
X020165	BCG_0884C	616	15	10	12	1.06	0.82	1.02	1.04	1.18	1.00
X020165	BCG_0896C	142	4	4	4	1.11	1.07	1.11	1.07	1.05	1.00
X020165	BCG_0905C	183	6	2	2	0.90	0.71	0.93	0.97	1.15	1.00
X020165	BCG_0911	683	13	8	9	0.85	0.79	0.90	0.94	1.03	1.00
X020165	BCG_0912	1357	31	22	25	0.78	0.86	0.83	0.94	1.04	1.00
X020165	BCG_0923	188	8	4	4	1.02	1.14	1.16	1.14	1.08	1.00
X020165	BCG_0925	1077	24	18	20	0.91	0.88	0.98	1.02	1.06	1.00
X020165	BCG_0936C	176	5	3	3	1.08	0.89	1.02	1.01	1.13	1.00
X020165	BCG_0941C	130	4	3	3	0.81	0.87	0.75	0.99	0.95	1.00

X020165	BCG_0944	195	8	2	2	0.98	0.86	0.90	0.88	1.04	1.00
X020165	BCG_0948	789	18	14	17	0.84	0.77	0.91	0.94	1.05	1.00
X020165	BCG_0954C	144	3	2	2	0.96	1.02	0.92	1.01	0.95	1.00
X020165	BCG_0955C	468	10	7	7	0.97	0.79	0.92	0.92	1.09	1.00
X020165	BCG_0957	468	10	8	9	1.02	0.93	0.97	1.01	1.04	1.00
X020165	BCG_0977C	320	8	5	5	1.04	1.06	0.88	0.97	0.99	1.00
X020165	BCG_0978C	203	3	3	3	1.09	0.83	1.11	1.10	1.19	1.00
X020165	BCG_0979C	116	4	3	3	1.03	1.78	0.85	1.06	1.11	1.00
X020165	BCG_0980	520	11	9	10	0.86	0.83	0.88	0.93	1.03	1.00
X020165	BCG_0984C	197	6	6	6	0.94	0.97	0.89	0.98	1.08	1.00
X020165	BCG_0985C	239	5	4	4	0.81	0.79	0.81	0.93	0.93	1.00
X020165	BCG_0988	86	2	2	2	0.90	0.90	0.93	1.00	1.18	1.00
X020165	BCG_0991C	79	2	2	2	1.25	1.70	1.25	1.22	1.10	1.00
X020165	BCG_0999	132	4	3	3	0.87	1.01	0.84	0.87	0.90	1.00
X020165	BCG_1000C	352	8	4	4	0.92	0.73	0.89	0.96	1.18	1.00
X020165	BCG_1003	156	4	2	2	0.96	1.17	1.09	1.08	1.01	1.00
X020165	BCG_1005	924	26	17	21	0.94	0.81	0.86	0.93	1.10	1.00
X020165	BCG_1006	568	14	9	12	1.01	0.86	0.94	0.97	1.06	1.00
X020165	BCG_1011	296	8	3	3	0.83	0.78	0.82	0.88	1.01	1.00
X020165	BCG_1012	232	6	4	4	1.17	1.16	0.98	1.02	1.07	1.00
X020165	BCG_1022	175	5	3	3	1.38	0.93	1.00	1.06	1.07	1.00
X020165	BCG_1023	362	12	7	7	0.81	1.14	0.94	1.02	0.96	1.00
X020165	BCG_1036	208	6	4	4	1.03	1.06	1.03	0.96	1.02	1.00
X020165	BCG_1039	457	6	6	6	1.13	0.96	0.90	0.96	1.04	1.00
X020165	BCG_1046C	202	4	4	4	0.98	0.91	1.03	1.06	1.09	1.00
X020165	BCG_1049	526	10	5	5	0.97	1.12	1.32	1.08	1.03	1.00
X020165	BCG_1050	124	5	3	4	1.17	1.25	0.97	0.93	1.10	1.00
X020165	BCG_1058	284	9	5	5	1.03	1.00	1.05	1.04	1.13	1.00
X020165	BCG_1064C	491	10	6	6	0.91	0.85	1.02	0.97	1.07	1.00
X020165	BCG_1067	400	11	7	7	0.88	1.00	0.88	0.90	0.99	1.00
X020165	BCG_1072C	303	7	5	5	0.86	0.93	0.97	0.91	0.91	1.00
X020165	BCG_1074C	738	18	11	11	0.88	0.80	0.82	0.89	1.02	1.00
X020165	BCG_1075C	415	9	4	4	1.03	1.16	1.06	1.04	1.04	1.00
X020165	BCG_1077	71	3	2	2	1.06	1.95	1.03	1.23	0.96	1.00
X020165	BCG_1078	94	3	2	2	1.48	1.12	1.16	1.22	1.16	1.00
X020165	BCG_1080	742	13	11	11	0.98	1.05	1.09	1.07	1.02	1.00
X020165	BCG_1083	152	4	3	3	0.98	0.96	0.82	0.95	0.95	1.00
X020165	BCG_1114	142	4	2	2	1.18	0.99	1.06	1.15	1.17	1.00
X020165	BCG_1116	101	3	3	3	1.07	0.96	0.92	0.92	1.00	1.00
X020165	BCG_1119	95	2	2	2	1.39	0.97	1.28	1.29	1.15	1.00

X020165	BCG_1128C	468	10	5	6	1.00	0.90	0.99	0.98	1.06	1.00
X020165	BCG_1129C	324	7	6	6	0.96	0.84	0.78	0.82	1.00	1.00
X020165	BCG_1132C	680	15	10	11	1.03	0.93	0.99	1.01	1.20	1.00
X020165	BCG_1135	462	9	6	6	0.85	0.85	0.88	0.89	1.00	1.00
X020165	BCG_1136	283	9	5	6	0.92	0.85	0.97	0.93	1.02	1.00
X020165	BCG_1138C	520	10	9	9	1.13	0.83	0.98	1.25	1.13	1.00
X020165	BCG_1140	291	9	4	4	0.99	0.85	0.92	1.00	1.04	1.00
X020165	BCG_1153	814	20	14	15	0.97	0.82	0.91	0.92	1.08	1.00
X020165	BCG_1154	935	22	13	13	0.96	0.79	0.93	0.94	1.14	1.00
X020165	BCG_1157C	62	2	2	2	0.90	1.09	0.97	1.00	0.91	1.00
X020165	BCG_1158C	703	19	16	16	0.91	0.83	0.94	0.95	1.05	1.00
X020165	BCG_1159C	357	11	6	8	0.95	1.18	0.99	1.05	0.97	1.00
X020165	BCG_1166C	214	7	3	3	1.03	0.77	1.03	1.06	1.09	1.00
X020165	BCG_1169C	286	7	3	4	0.76	0.78	0.87	1.05	0.99	1.00
X020165	BCG_1179C	192	7	4	4	1.16	1.15	1.32	0.98	1.15	1.00
X020165	BCG_1182	423	13	7	7	1.04	1.08	0.99	1.04	1.01	1.00
X020165	BCG_1183	351	10	7	8	0.93	1.00	0.91	0.95	1.04	1.00
X020165	BCG_1194C	1981	47	34	39	0.92	0.88	0.77	0.90	1.14	1.00
X020165	BCG_1202	64	2	2	2	0.90	1.02	0.90	0.91	0.97	1.00
X020165	BCG_1203C	213	5	2	2	1.04	0.91	0.98	1.02	0.98	1.00
X020165	BCG_1206	460	10	4	4	1.02	1.15	0.95	1.07	1.05	1.00
X020165	BCG_1217	110	3	3	3	1.06	1.00	0.92	1.30	1.26	1.00
X020165	BCG_1221C	174	4	3	4	1.16	1.12	1.06	1.10	0.94	1.00
X020165	BCG_1241	214	4	3	3	1.27	1.21	1.07	1.15	1.20	1.00
X020165	BCG_1252	420	9	6	6	0.83	0.74	0.90	0.81	0.94	1.00
X020165	BCG_1253	296	7	4	4	0.95	0.83	0.86	0.94	1.03	1.00
X020165	BCG_1261C	485	13	8	9	0.92	1.01	0.87	0.95	1.03	1.00
X020165	BCG_1262	232	6	5	5	1.12	1.11	0.90	0.97	0.98	1.00
X020165	BCG_1266	374	10	5	5	0.96	0.89	0.93	0.88	1.06	1.00
X020165	BCG_1269	120	5	2	2	0.75	0.95	0.88	0.88	0.81	1.00
X020165	BCG_1277C	107	3	2	2	1.07	1.18	1.01	1.12	0.92	1.00
X020165	BCG_1278C	256	6	5	5	1.06	1.04	1.30	1.02	1.06	1.00
X020165	BCG_1283	902	16	13	13	0.95	0.94	1.11	1.03	1.04	1.00
X020165	BCG_1289C	331	7	7	7	0.98	1.06	1.04	1.04	1.02	1.00
X020165	BCG_1294	150	4	2	2	0.89	1.18	0.96	0.91	0.81	1.00
X020165	BCG_1298	200	5	4	4	0.94	1.16	0.93	0.97	0.99	1.00
X020165	BCG_1300	1065	19	15	17	1.02	0.97	0.93	0.98	1.15	1.00
X020165	BCG_1305C	445	9	9	9	1.02	0.97	0.93	1.01	1.00	1.00
X020165	BCG_1308C	1586	45	25	25	0.86	1.06	0.94	0.99	1.14	1.00
X020165	BCG_1313	466	11	4	4	0.73	1.06	0.87	0.91	0.80	1.00

X020165	BCG_1320C	198	5	4	4	1.05	0.89	1.04	1.05	1.06	1.00
X020165	BCG_1322	243	8	3	3	1.05	1.09	0.83	1.07	0.95	1.00
X020165	BCG_1324	182	5	2	2	0.87	1.04	1.00	1.00	1.00	1.00
X020165	BCG_1326C	134	4	2	2	0.95	0.69	0.85	0.98	1.02	1.00
X020165	BCG_1328C	120	3	2	2	1.05	1.39	1.13	1.17	0.94	1.00
X020165	BCG_1329C	323	5	4	4	1.04	1.16	1.04	1.10	1.03	1.00
X020165	BCG_1333	84	3	3	3	1.02	1.26	1.12	1.09	0.99	1.00
X020165	BCG_1334	339	7	6	6	0.91	0.94	1.01	0.98	0.92	1.00
X020165	BCG_1338	218	6	2	2	0.91	0.97	1.01	0.90	1.02	1.00
X020165	BCG_1339C	216	7	4	4	1.02	1.02	1.15	1.08	1.10	1.00
X020165	BCG_1340C	321	8	3	3	0.82	0.86	0.85	0.95	0.95	1.00
X020165	BCG_1342C	206	5	3	3	0.86	1.02	0.96	0.89	0.85	1.00
X020165	BCG_1343	141	3	2	2	0.90	0.81	0.91	0.87	1.08	1.00
X020165	BCG_1352	435	7	5	5	0.92	0.84	1.01	1.00	1.11	1.00
X020165	BCG_1353	353	6	3	3	0.93	0.91	0.86	0.91	1.12	1.00
X020165	BCG_1354	547	12	9	9	0.95	1.47	1.07	1.08	1.02	1.00
X020165	BCG_1355	388	9	5	6	1.00	0.82	0.94	0.97	1.09	1.00
X020165	BCG_1357	1326	32	22	23	0.82	0.86	0.90	0.95	0.96	1.00
X020165	BCG_1359	204	5	3	3	0.96	1.19	0.88	0.96	0.94	1.00
X020165	BCG_1361	111	3	3	3	1.14	1.32	1.12	1.25	1.13	1.00
X020165	BCG_1364	80	4	2	3	1.00	1.50	1.18	1.05	1.01	1.00
X020165	BCG_1367	808	18	12	13	0.98	1.04	1.16	1.10	1.06	1.00
X020165	BCG_1368	1303	37	24	25	0.83	0.79	0.91	0.88	0.98	1.00
X020165	BCG_1369	536	13	7	7	0.90	0.95	0.97	0.97	0.96	1.00
X020165	BCG_1370	1080	29	16	21	0.93	0.81	1.03	0.97	1.08	1.00
X020165	BCG_1371	176	5	2	2	1.09	0.90	1.03	1.03	1.07	1.00
X020165	BCG_1376	213	5	4	4	0.94	1.12	0.86	1.02	1.02	1.00
X020165	BCG_1385	939	15	10	11	0.93	0.78	0.98	0.95	1.09	1.00
X020165	BCG_1386	502	8	5	5	1.10	0.80	1.01	1.09	1.25	1.00
X020165	BCG_1389C	958	22	13	15	1.02	0.95	1.08	1.00	1.05	1.00
X020165	BCG_1390	740	15	12	12	0.99	1.03	0.94	1.00	1.09	1.00
X020165	BCG_1398	63	2	2	2	1.08	1.55	0.95	1.13	1.05	1.00
X020165	BCG_1402	186	3	3	3	0.93	0.92	1.02	1.02	1.03	1.00
X020165	BCG_1422	93	3	2	2	0.92	1.22	0.98	0.93	0.98	1.00
X020165	BCG_1425C	310	6	4	4	0.89	0.88	0.99	0.98	1.01	1.00
X020165	BCG_1429C	331	8	3	3	1.02	1.06	0.99	0.89	0.96	1.00
X020165	BCG_1440	257	7	3	3	1.16	1.06	0.98	1.02	0.96	1.00
X020165	BCG_1441	215	5	3	3	1.15	1.25	1.24	1.19	0.99	1.00
X020165	BCG_1445	347	11	6	6	1.00	1.21	0.96	1.02	1.00	1.00
X020165	BCG_1449	370	15	7	10	1.12	1.22	1.10	1.48	1.55	1.00

X020165	BCG_1451	101	2	2	2	1.07	1.02	0.96	0.99	0.86	1.00
X020165	BCG_1452	321	9	5	5	0.91	1.11	1.00	0.94	0.92	1.00
X020165	BCG_1453	448	14	8	9	0.98	1.17	1.02	1.03	1.08	1.00
X020165	BCG_1458C	84	3	2	2	0.96	1.08	0.79	0.94	0.95	1.00
X020165	BCG_1465	233	5	3	3	0.99	0.94	0.91	1.01	1.03	1.00
X020165	BCG_1470	375	8	5	5	0.90	1.10	0.89	1.16	1.03	1.00
X020165	BCG_1472C	292	11	5	6	1.05	1.00	1.02	1.06	0.97	1.00
X020165	BCG_1473	188	5	3	3	1.09	0.91	0.94	0.95	1.00	1.00
X020165	BCG_1477	221	5	5	5	0.98	0.85	0.98	1.01	1.01	1.00
X020165	BCG_1482	255	8	4	5	0.96	1.11	1.01	1.04	1.08	1.00
X020165	BCG_1483	130	3	2	2	1.13	1.01	1.01	1.03	1.10	1.00
X020165	BCG_1484	371	7	3	3	1.00	1.03	1.07	1.09	1.13	1.00
X020165	BCG_1488C	198	6	3	3	0.88	0.82	0.78	0.90	0.89	1.00
X020165	BCG_1497	643	13	9	11	0.90	0.82	0.87	0.96	1.05	1.00
X020165	BCG_1498	595	8	7	7	0.91	0.75	0.82	0.86	1.04	1.00
X020165	BCG_1499	331	9	6	6	0.97	0.79	0.85	0.92	1.07	1.00
X020165	BCG_1504C	90	4	2	2	0.82	0.75	0.87	0.80	0.88	1.00
X020165	BCG_1506C	257	5	4	4	1.20	0.85	1.08	1.09	1.19	1.00
X020165	BCG_1507C	237	8	6	6	1.01	1.25	0.99	1.06	1.06	1.00
X020165	BCG_1508C	286	12	6	6	1.02	1.05	0.95	0.99	1.06	1.00
X020165	BCG_1509C	657	14	13	13	1.03	0.84	0.93	0.99	1.14	1.00
X020165	BCG_1510C	782	23	12	12	0.97	0.86	0.91	0.99	1.08	1.00
X020165	BCG_1515C	309	6	4	4	0.97	1.02	1.11	0.89	1.27	1.00
X020165	BCG_1516	128	5	3	3	0.90	0.90	0.97	0.94	1.00	1.00
X020165	BCG_1519C	151	5	3	3	0.95	0.96	0.99	0.99	1.07	1.00
X020165	BCG_1522	356	9	6	6	0.86	0.88	1.00	0.96	0.99	1.00
X020165	BCG_1523	562	13	11	11	1.01	0.96	0.99	1.00	1.09	1.00
X020165	BCG_1524	517	10	7	8	0.92	0.77	0.94	0.92	1.01	1.00
X020165	BCG_1525	520	8	6	6	0.89	0.80	0.87	0.92	1.12	1.00
X020165	BCG_1526	158	3	2	2	1.15	0.91	1.15	1.11	1.09	1.00
X020165	BCG_1537C	1567	41	22	22	0.94	0.98	0.86	0.91	1.18	1.00
X020165	BCG_1538	144	2	2	2	1.03	1.58	1.24	1.18	1.00	1.00
X020165	BCG_1541	938	23	17	20	1.15	0.92	1.06	1.08	1.17	1.00
X020165	BCG_1542	346	11	6	6	0.97	0.82	1.07	1.09	1.16	1.00
X020165	BCG_1543	249	8	5	5	0.90	0.86	0.92	0.94	1.04	1.00
X020165	BCG_1545	404	11	5	5	1.01	0.92	0.99	0.99	1.07	1.00
X020165	BCG_1546	556	13	10	11	0.90	0.89	0.98	0.93	0.91	1.00
X020165	BCG_1550	1108	28	17	18	0.85	1.00	1.07	0.97	0.97	1.00
X020165	BCG_1555	352	11	6	6	0.86	1.07	0.90	0.98	1.00	1.00
X020165	BCG_1556	572	10	5	5	0.89	0.87	0.94	0.99	1.09	1.00

X020165	BCG_1560	142	5	3	3	0.98	1.21	0.98	1.05	0.93	1.00
X020165	BCG_1575	50	2	2	2	1.00	1.31	1.08	0.81	0.91	1.00
X020165	BCG_1579C	874	25	18	18	1.00	1.28	1.01	1.09	1.07	1.00
X020165	BCG_1583	170	3	2	2	1.02	0.91	1.11	0.99	1.22	1.00
X020165	BCG_1585	215	8	4	5	0.90	0.82	0.90	1.02	0.90	1.00
X020165	BCG_1588	91	5	2	2	0.89	1.17	0.85	1.00	1.03	1.00
X020165	BCG_1590C	120	4	3	3	1.06	0.90	0.90	1.00	1.02	1.00
X020165	BCG_1595	1066	22	14	15	1.04	0.89	1.00	0.94	1.01	1.00
X020165	BCG_1599	127	3	2	2	1.17	1.15	1.20	1.21	1.22	1.00
X020165	BCG_1600	143	8	3	3	0.93	0.91	0.83	0.92	0.92	1.00
X020165	BCG_1610	370	9	5	5	1.08	0.80	1.02	1.15	1.11	1.00
X020165	BCG_1624	266	7	5	5	0.92	0.89	0.98	0.97	0.95	1.00
X020165	BCG_1627	85	2	2	2	1.03	0.88	0.98	0.99	0.99	1.00
X020165	BCG_1632	80	2	2	2	0.97	0.94	0.86	0.91	0.99	1.00
X020165	BCG_1634	160	5	3	3	0.91	0.76	0.84	0.97	1.03	1.00
X020165	BCG_1637	83	2	2	2	1.00	1.05	0.93	0.97	0.93	1.00
X020165	BCG_1638	58	3	2	2	0.99	1.10	1.03	1.01	1.01	1.00
X020165	BCG_1639	100	3	2	2	0.91	1.13	1.19	1.13	1.03	1.00
X020165	BCG_1641	382	8	6	6	1.10	0.94	1.15	1.23	1.19	1.00
X020165	BCG_1643	94	2	2	2	0.94	0.92	0.90	0.87	1.01	1.00
X020165	BCG_1647	334	5	3	3	0.99	1.01	1.06	1.02	1.08	1.00
X020165	BCG_1649	545	10	7	7	1.03	0.87	1.01	1.02	1.09	1.00
X020165	BCG_1650	481	8	7	7	0.98	0.97	0.97	1.00	1.09	1.00
X020165	BCG_1651	551	10	9	9	1.02	0.96	0.90	1.00	1.04	1.00
X020165	BCG_1652	590	12	8	8	0.85	0.93	1.04	0.97	0.98	1.00
X020165	BCG_1655	829	18	12	13	0.89	0.92	0.91	0.93	1.07	1.00
X020165	BCG_1661C	150	6	3	3	0.91	1.38	1.06	1.16	1.04	1.00
X020165	BCG_1664	615	10	7	7	0.94	0.77	0.83	0.84	1.04	1.00
X020165	BCG_1667	596	16	8	8	0.84	1.05	0.92	0.94	1.05	1.00
X020165	BCG_1668	1643	63	32	44	0.94	0.94	1.04	0.94	0.93	1.00
X020165	BCG_1669	216	5	3	3	1.06	0.96	0.93	0.99	1.04	1.00
X020165	BCG_1674	525	12	9	10	1.16	0.95	1.03	1.15	1.17	1.00
X020165	BCG_1675C	103	2	2	2	0.80	0.75	0.98	0.89	1.04	1.00
X020165	BCG_1676	1354	31	23	23	1.01	1.22	0.99	0.95	1.08	1.00
X020165	BCG_1680	445	14	10	11	0.93	1.17	1.03	1.09	1.23	1.00
X020165	BCG_1682	238	9	3	4	0.88	0.89	1.14	1.07	1.03	1.00
X020165	BCG_1683	94	3	2	2	1.02	1.03	1.01	0.93	0.98	1.00
X020165	BCG_1688	231	8	4	4	0.72	0.82	1.25	0.79	0.83	1.00
X020165	BCG_1689	507	13	7	7	0.93	1.10	0.96	1.03	0.97	1.00
X020165	BCG_1691	246	4	3	3	1.02	0.89	0.92	0.95	1.04	1.00

X020165	BCG_1692	200	5	3	3	0.98	0.87	0.85	0.90	0.91	1.00
X020165	BCG_1693	240	7	3	3	0.89	0.85	0.94	0.95	1.06	1.00
X020165	BCG_1694	252	6	4	4	1.04	0.96	0.92	0.99	1.04	1.00
X020165	BCG_1695	120	3	3	3	0.94	0.88	0.85	0.85	1.10	1.00
X020165	BCG_1697	600	13	10	10	0.89	0.91	0.88	1.00	0.97	1.00
X020165	BCG_1698	232	4	4	4	1.01	1.11	0.97	1.00	0.96	1.00
X020165	BCG_1717	246	4	3	3	1.05	1.05	1.18	1.06	1.11	1.00
X020165	BCG_1718	95	3	2	2	1.20	1.07	1.17	1.08	1.03	1.00
X020165	BCG_1721	374	12	6	6	0.90	1.09	0.88	0.92	1.08	1.00
X020165	BCG_1727	284	5	3	3	1.01	0.83	0.90	0.89	1.09	1.00
X020165	BCG_1729	359	5	4	4	0.99	1.04	1.17	1.13	1.03	1.00
X020165	BCG_1730	170	3	2	2	0.86	1.09	0.75	0.89	0.91	1.00
X020165	BCG_1733	149	4	2	2	0.95	1.03	0.91	0.96	0.88	1.00
X020165	BCG_1737	96	2	2	2	0.98	0.90	0.95	1.07	1.02	1.00
X020165	BCG_1741C	371	9	7	8	1.05	0.93	0.96	0.98	1.12	1.00
X020165	BCG_1747	220	6	4	4	0.88	1.07	0.93	1.10	0.94	1.00
X020165	BCG_1749	87	4	2	2	1.05	1.13	1.02	0.96	1.13	1.00
X020165	BCG_1750	444	8	6	7	0.87	0.91	0.99	0.97	0.98	1.00
X020165	BCG_1751	83	3	2	2	0.96	0.78	1.01	0.97	1.21	1.00
X020165	BCG_1770	475	17	9	9	0.89	0.87	0.94	0.95	0.96	1.00
X020165	BCG_1771C	198	5	3	3	1.12	0.91	1.03	1.10	1.12	1.00
X020165	BCG_1777	100	2	2	2	1.06	0.92	1.95	0.93	1.00	1.00
X020165	BCG_1786	182	6	2	2	0.93	1.04	1.05	1.06	0.93	1.00
X020165	BCG_1790	147	5	2	2	1.03	0.90	1.13	1.11	1.10	1.00
X020165	BCG_1803C	283	8	4	6	0.96	1.03	1.08	0.99	1.02	1.00
X020165	BCG_1807	410	11	8	8	1.01	1.09	0.93	0.99	1.10	1.00
X020165	BCG_1811C	117	2	2	2	1.05	1.30	1.05	0.97	0.97	1.00
X020165	BCG_1812C	1183	29	19	20	1.02	1.04	1.07	1.00	1.01	1.00
X020165	BCG_1813	507	11	6	7	1.04	0.81	0.99	0.94	1.07	1.00
X020165	BCG_1815	393	10	7	7	1.02	1.01	1.02	0.93	1.01	1.00
X020165	BCG_1816	627	17	9	9	1.04	1.27	1.09	1.05	1.09	1.00
X020165	BCG_1825	261	4	2	3	1.02	0.90	0.77	0.75	0.80	1.00
X020165	BCG_1826	482	10	5	5	0.84	0.66	0.83	0.88	0.99	1.00
X020165	BCG_1827	413	9	7	7	0.99	1.19	1.04	1.01	0.95	1.00
X020165	BCG_1828	180	4	2	2	0.90	1.20	0.94	0.92	0.96	1.00
X020165	BCG_1846C	131	4	2	2	0.96	1.00	0.80	0.94	0.97	1.00
X020165	BCG_1854C	478	14	9	9	0.83	1.42	0.95	1.02	0.96	1.00
X020165	BCG_1856	744	20	11	11	1.04	1.07	0.99	1.02	1.07	1.00
X020165	BCG_1862	423	11	7	9	1.17	0.83	1.01	1.19	1.20	1.00
X020165	BCG_1864	164	5	3	3	0.91	1.16	0.99	1.22	1.01	1.00

X020165	BCG_1868C	266	14	5	5	0.93	0.91	1.11	0.94	0.91	1.00
X020165	BCG_1871C	586	10	8	8	0.83	0.85	0.97	0.99	1.07	1.00
X020165	BCG_1872C	1375	33	24	26	0.94	0.76	0.82	0.94	1.13	1.00
X020165	BCG_1879C	271	8	6	6	0.94	1.23	0.96	1.06	1.02	1.00
X020165	BCG_1890C	466	11	8	8	1.30	1.13	1.01	0.94	0.97	1.00
X020165	BCG_1891C	590	11	10	10	0.91	0.76	0.89	0.88	1.13	1.00
X020165	BCG_1892C	216	8	3	3	1.05	1.09	0.96	0.99	0.97	1.00
X020165	BCG_1896	126	3	3	3	1.18	1.03	0.99	1.25	1.04	1.00
X020165	BCG_1901C	172	3	3	3	0.93	0.97	0.86	0.85	0.93	1.00
X020165	BCG_1905C	623	11	9	9	0.91	0.80	0.84	0.88	1.03	1.00
X020165	BCG_1907C	99	4	2	2	1.15	1.21	1.02	1.17	1.17	1.00
X020165	BCG_1912	421	11	7	10	0.88	1.18	0.97	1.01	1.04	1.00
X020165	BCG_1917C	155	6	3	3	1.11	1.17	1.05	0.97	1.04	1.00
X020165	BCG_1919C	106	5	3	3	0.84	0.84	0.79	0.73	1.10	1.00
X020165	BCG_1920C	242	6	4	4	1.28	1.07	1.33	1.32	1.16	1.00
X020165	BCG_1923C	197	4	2	2	0.99	0.89	1.16	1.00	1.27	1.00
X020165	BCG_1925C	324	8	7	7	0.85	1.07	0.97	0.99	0.93	1.00
X020165	BCG_1940	212	4	2	2	1.05	0.99	1.00	1.01	1.11	1.00
X020165	BCG_1947C	1340	28	22	24	0.84	0.74	0.77	0.96	1.09	1.00
X020165	BCG_1951C	328	16	6	9	0.99	0.90	0.90	0.93	1.07	1.00
X020165	BCG_1954	1751	44	29	31	0.83	0.87	0.94	0.95	1.04	1.00
X020165	BCG_1958C	367	10	8	8	1.17	0.89	0.99	0.99	1.02	1.00
X020165	BCG_1964	522	12	8	8	0.91	1.00	1.13	0.98	1.11	1.00
X020165	BCG_1965C	56	2	2	2	1.21	1.61	1.11	1.15	0.88	1.00
X020165	BCG_1968C	256	6	5	5	1.00	0.83	0.98	0.93	0.97	1.00
X020165	BCG_1971	367	7	5	5	1.39	1.12	1.14	1.37	1.25	1.00
X020165	BCG_1995	161	6	3	3	1.08	1.17	0.96	1.08	0.99	1.00
X020165	BCG_1996	165	4	3	3	0.81	0.87	0.81	0.80	1.05	1.00
X020165	BCG_2010C	78	2	2	2	1.18	0.98	0.88	0.91	0.94	1.00
X020165	BCG_2019	223	6	3	3	1.02	1.04	1.02	0.99	1.00	1.00
X020165	BCG_2022C	93	3	3	3	1.14	1.01	1.03	1.05	1.13	1.00
X020165	BCG_2035	104	4	2	2	1.08	1.38	1.05	1.16	0.99	1.00
X020165	BCG_2039C	60	2	2	2	1.24	1.38	1.16	1.08	1.14	1.00
X020165	BCG_2047C	77	2	2	2	1.03	1.70	1.20	1.08	1.15	1.00
X020165	BCG_2050C	353	11	7	8	1.17	1.11	1.05	1.25	1.17	1.00
X020165	BCG_2051	231	5	2	2	0.83	0.77	0.93	0.86	0.74	1.00
X020165	BCG_2066C	221	9	6	6	1.01	1.30	0.93	0.99	0.90	1.00
X020165	BCG_2067C	1617	42	23	24	0.91	1.02	0.97	0.90	0.74	1.00
X020165	BCG_2070C	671	13	9	9	0.89	0.93	0.94	0.96	1.01	1.00
X020165	BCG_2073	669	22	10	13	0.92	0.82	0.80	0.80	0.89	1.00

X020165	BCG_2080C	217	5	4	4	1.14	1.24	1.13	1.09	1.16	1.00
X020165	BCG_2111C	269	5	3	3	0.77	0.73	0.88	0.83	0.97	1.00
X020165	BCG_2112C	831	21	11	11	1.00	1.30	1.05	1.02	1.08	1.00
X020165	BCG_2115C	140	4	2	2	1.30	1.10	1.01	1.19	1.09	1.00
X020165	BCG_2117C	797	23	14	15	1.01	1.15	1.07	1.05	1.07	1.00
X020165	BCG_2120	493	17	6	6	0.98	1.29	0.95	0.88	1.01	1.00
X020165	BCG_2126C	472	11	7	7	0.89	0.92	1.08	1.04	1.08	1.00
X020165	BCG_2127C	434	10	8	8	0.92	0.99	1.13	1.02	1.04	1.00
X020165	BCG_2128C	199	3	2	2	0.80	0.78	0.85	0.86	0.91	1.00
X020165	BCG_2129C	104	4	2	2	0.90	1.13	0.86	0.96	0.93	1.00
X020165	BCG_2132C	631	17	12	12	0.99	1.07	1.13	1.05	1.01	1.00
X020165	BCG_2135C	454	10	8	8	0.75	0.90	0.74	0.80	0.85	1.00
X020165	BCG_2138C	253	7	3	3	1.09	1.00	0.91	0.97	1.02	1.00
X020165	BCG_2146C	381	9	4	4	1.04	0.85	0.92	1.05	1.01	1.00
X020165	BCG_2147C	259	7	4	4	0.89	0.98	1.04	1.05	1.04	1.00
X020165	BCG_2148C	129	3	2	2	1.18	0.74	0.97	1.14	0.96	1.00
X020165	BCG_2150C	326	10	6	7	1.03	0.93	1.18	1.00	1.01	1.00
X020165	BCG_2151C	134	3	2	2	0.98	1.30	1.29	0.85	0.90	1.00
X020165	BCG_2156	223	5	3	3	0.98	0.80	0.93	1.03	0.97	1.00
X020165	BCG_2158C	316	6	2	2	0.95	0.66	0.88	0.89	1.11	1.00
X020165	BCG_2162C	944	24	15	15	1.26	1.30	1.45	1.71	1.20	1.00
X020165	BCG_2163C	59	2	2	2	1.34	1.17	1.12	1.24	1.05	1.00
X020165	BCG_2164C	122	5	2	2	1.11	1.50	1.14	1.26	1.09	1.00
X020165	BCG_2165C	113	5	3	3	1.08	1.43	1.20	1.32	1.06	1.00
X020165	BCG_2167C	463	9	6	8	1.21	0.94	1.09	0.99	1.13	1.00
X020165	BCG_2168C	286	8	3	3	0.86	1.08	0.91	0.96	0.95	1.00
X020165	BCG_2170C	241	7	3	3	1.11	1.18	1.15	1.22	1.05	1.00
X020165	BCG_2172C	307	7	5	5	1.01	0.88	0.96	1.01	1.03	1.00
X020165	BCG_2174C	218	4	4	4	1.08	1.04	1.07	1.05	1.07	1.00
X020165	BCG_2182C	75	3	2	2	1.04	0.87	0.98	0.96	1.05	1.00
X020165	BCG_2183C	132	5	3	3	0.94	1.02	0.89	1.09	1.13	1.00
X020165	BCG_2187C	329	7	4	5	0.90	0.79	0.84	0.89	1.10	1.00
X020165	BCG_2188	151	6	3	3	1.11	1.13	0.96	1.09	1.01	1.00
X020165	BCG_2193C	748	18	14	14	0.92	0.88	0.97	0.97	1.02	1.00
X020165	BCG_2197C	176	6	3	3	1.05	0.95	1.21	1.09	1.13	1.00
X020165	BCG_2200C	313	9	6	8	1.07	0.78	0.98	1.02	1.27	1.00
X020165	BCG_2204C	240	6	3	3	1.14	1.82	1.17	1.14	0.97	1.00
X020165	BCG_2208C	244	6	4	4	1.00	1.13	0.85	0.90	0.94	1.00
X020165	BCG_2210	100	2	2	2	1.02	1.03	1.11	1.11	1.13	1.00
X020165	BCG_2211	489	13	11	11	0.90	0.91	0.97	0.99	1.02	1.00

X020165	BCG_2212	315	9	8	8	0.92	1.05	1.02	1.00	0.97	1.00
X020165	BCG_2214C	138	3	3	3	0.78	1.00	0.81	0.86	0.90	1.00
X020165	BCG_2216C	416	13	12	12	0.98	1.10	1.03	1.04	1.03	1.00
X020165	BCG_2217	263	7	5	5	1.02	0.87	0.99	0.99	0.99	1.00
X020165	BCG_2218C	417	11	8	8	1.08	0.86	1.06	1.06	1.20	1.00
X020165	BCG_2219	372	7	5	5	0.90	0.96	1.05	1.00	1.02	1.00
X020165	BCG_2220C	242	5	4	4	1.08	0.97	1.10	1.31	1.11	1.00
X020165	BCG_2223	143	4	2	2	1.17	1.51	0.92	1.08	1.04	1.00
X020165	BCG_2226C	505	11	10	11	1.06	0.92	0.84	0.93	1.06	1.00
X020165	BCG_2227C	298	5	5	5	0.98	0.74	0.91	0.99	1.11	1.00
X020165	BCG_2230C	553	14	9	9	0.99	1.05	0.99	0.97	1.02	1.00
X020165	BCG_2231	976	20	16	16	0.69	0.77	0.77	0.95	0.87	1.00
X020165	BCG_2232	357	5	4	4	1.04	0.97	0.94	1.13	1.21	1.00
X020165	BCG_2235	314	7	6	6	0.97	0.92	0.89	0.87	1.05	1.00
X020165	BCG_2237	2096	180	27	103	0.90	0.82	0.94	0.86	0.87	1.00
X020165	BCG_2239C	573	20	8	9	0.97	0.94	1.03	0.87	0.91	1.00
X020165	BCG_2241C	365	11	7	7	0.87	1.06	0.98	1.00	0.95	1.00
X020165	BCG_2243	572	12	10	10	0.89	0.92	0.92	0.88	0.98	1.00
X020165	BCG_2248C	142	5	2	2	0.93	1.06	0.95	1.11	1.02	1.00
X020165	BCG_2254	202	4	3	3	1.03	0.83	1.02	1.06	1.03	1.00
X020165	BCG_2255C	146	4	3	3	1.10	1.08	1.18	1.19	0.96	1.00
X020165	BCG_2258	517	18	11	11	0.85	1.06	0.87	0.93	1.14	1.00
X020165	BCG_2259	203	7	4	4	1.03	1.11	1.06	1.09	1.09	1.00
X020165	BCG_2260	121	3	2	2	1.18	1.08	1.03	1.14	1.18	1.00
X020165	BCG_2261	282	6	4	4	1.20	0.93	1.11	1.26	1.18	1.00
X020165	BCG_2262	307	10	5	5	0.90	0.83	0.85	0.92	1.01	1.00
X020165	BCG_2263	529	11	8	9	0.99	0.82	0.95	0.95	1.09	1.00
X020165	BCG_2264	462	11	7	7	0.92	0.87	0.97	0.96	1.11	1.00
X020165	BCG_2269	472	12	6	6	0.94	0.97	0.88	0.89	0.96	1.00
X020165	BCG_2276C	412	8	6	7	0.99	0.83	0.98	0.99	1.13	1.00
X020165	BCG_2277	290	5	4	4	1.06	1.12	0.94	1.03	1.06	1.00
X020165	BCG_2295	548	13	7	7	0.96	0.81	0.92	1.00	1.09	1.00
X020165	BCG_2299	283	8	3	3	1.37	1.25	1.29	1.22	1.07	1.00
X020165	BCG_2305	265	6	6	6	0.97	1.02	1.07	1.01	1.02	1.00
X020165	BCG_2310	337	9	6	6	1.14	1.08	1.02	1.15	1.10	1.00
X020165	BCG_2312	481	11	10	10	0.95	0.77	0.82	0.87	0.93	1.00
X020165	BCG_2314	853	18	12	12	1.01	0.95	1.02	0.98	1.09	1.00
X020165	BCG_2315C	977	22	15	15	0.92	0.87	0.90	0.96	1.07	1.00
X020165	BCG_2335C	142	3	2	2	1.04	0.74	0.89	0.95	1.05	1.00
X020165	BCG_2336C	83	5	2	2	1.11	1.39	1.02	1.09	1.03	1.00

X020165	BCG_2347C	289	7	4	4	0.90	0.91	0.97	0.93	0.85	1.00
X020165	BCG_2356	493	11	7	7	0.96	0.86	0.81	0.92	0.99	1.00
X020165	BCG_2367C	149	3	2	2	0.90	0.89	0.85	0.84	0.84	1.00
X020165	BCG_2368	672	15	11	11	1.12	1.38	1.14	1.07	1.01	1.00
X020165	BCG_2371C	500	15	8	9	0.87	0.87	0.99	0.97	1.01	1.00
X020165	BCG_2372	73	2	2	2	1.39	1.21	1.01	1.75	1.09	1.00
X020165	BCG_2375C	159	4	2	2	1.04	1.18	1.18	1.00	1.07	1.00
X020165	BCG_2377	729	14	11	11	0.96	0.86	0.95	0.94	0.94	1.00
X020165	BCG_2387C	318	10	8	8	0.97	0.95	1.04	1.04	1.01	1.00
X020165	BCG_2388C	145	4	2	2	1.06	0.86	0.95	1.21	0.95	1.00
X020165	BCG_2401	95	3	2	2	0.80	1.06	0.82	0.86	0.84	1.00
X020165	BCG_2405	739	21	14	14	0.94	0.80	0.90	0.88	1.12	1.00
X020165	BCG_2412C	147	3	2	2	1.25	1.16	0.97	1.02	0.98	1.00
X020165	BCG_2415C	156	3	2	2	0.87	0.90	0.88	0.97	0.83	1.00
X020165	BCG_2418	359	13	4	4	1.09	0.97	1.15	0.95	1.03	1.00
X020165	BCG_2420C	255	11	2	2	0.95	1.62	0.88	1.01	1.16	1.00
X020165	BCG_2426C	154	3	2	2	0.92	1.17	0.88	0.85	0.84	1.00
X020165	BCG_2428	253	9	5	5	1.08	1.02	1.12	1.02	0.94	1.00
X020165	BCG_2432C	177	5	5	5	1.01	1.10	1.03	1.06	1.10	1.00
X020165	BCG_2433C	81	3	2	2	1.31	1.10	1.31	1.33	1.20	1.00
X020165	BCG_2434C	116	2	2	2	1.00	1.11	1.13	1.12	1.16	1.00
X020165	BCG_2436C	152	3	2	2	1.13	1.05	1.25	1.16	1.04	1.00
X020165	BCG_2443C	151	3	3	3	1.25	1.36	1.14	1.18	1.09	1.00
X020165	BCG_2444C	458	11	8	8	1.03	0.92	1.09	0.99	1.16	1.00
X020165	BCG_2447	767	17	12	13	1.18	0.90	1.03	1.15	1.25	1.00
X020165	BCG_2448	143	5	2	3	0.93	0.83	0.86	0.89	1.01	1.00
X020165	BCG_2457C	283	10	6	6	1.08	1.02	1.13	1.13	1.10	1.00
X020165	BCG_2460C	69	3	2	2	1.05	0.98	1.08	1.15	1.08	1.00
X020165	BCG_2461C	189	8	5	6	0.89	1.01	1.21	1.04	1.06	1.00
X020165	BCG_2462C	289	8	4	6	0.93	0.90	1.08	1.00	0.99	1.00
X020165	BCG_2464C	1259	33	19	19	0.82	1.20	0.95	0.98	0.97	1.00
X020165	BCG_2467C	101	4	2	2	1.01	0.86	1.03	0.98	1.14	1.00
X020165	BCG_2468C	447	14	7	7	0.95	1.29	0.84	0.99	1.07	1.00
X020165	BCG_2469C	325	7	5	5	0.90	1.11	0.94	0.96	0.96	1.00
X020165	BCG_2473C	184	3	3	3	1.05	0.88	0.99	1.07	1.11	1.00
X020165	BCG_2474C	462	9	9	9	0.92	0.83	0.93	0.93	1.04	1.00
X020165	BCG_2475C	347	9	7	7	0.89	0.90	0.96	1.02	1.01	1.00
X020165	BCG_2477C	503	13	8	8	0.84	0.89	0.98	0.94	0.99	1.00
X020165	BCG_2480C	248	11	5	6	1.12	0.94	0.99	1.02	1.13	1.00
X020165	BCG_2481C	443	10	7	7	1.06	1.07	1.07	1.02	1.08	1.00

X020165	BCG_2482C	887	19	10	11	1.10	0.98	1.03	1.13	1.16	1.00
X020165	BCG_2485C	319	9	7	7	1.08	1.33	1.01	1.05	1.09	1.00
X020165	BCG_2487	749	18	10	10	0.92	0.89	0.87	0.97	1.13	1.00
X020165	BCG_2494C	98	2	2	2	1.42	1.27	1.09	1.20	1.19	1.00
X020165	BCG_2495C	169	5	3	3	0.97	0.99	0.98	1.09	1.15	1.00
X020165	BCG_2496C	2776	66	50	50	0.87	1.14	0.97	0.96	1.08	1.00
X020165	BCG_2497C	866	20	15	16	0.95	0.80	0.89	0.95	1.12	1.00
X020165	BCG_2500C	343	15	6	6	1.01	1.20	0.92	0.92	1.00	1.00
X020165	BCG_2501C	291	8	5	5	0.76	0.89	0.90	0.80	1.07	1.00
X020165	BCG_2515C	407	10	5	5	0.94	0.94	1.12	1.03	1.03	1.00
X020165	BCG_2517C	255	6	4	4	0.95	1.04	1.02	1.04	1.03	1.00
X020165	BCG_2518C	271	5	4	4	1.05	1.04	1.17	1.12	1.15	1.00
X020165	BCG_2519C	50	2	2	2	1.00	1.36	1.00	1.06	1.03	1.00
X020165	BCG_2521C	1808	47	30	34	1.02	1.02	1.03	0.98	0.91	1.00
X020165	BCG_2522C	1294	28	21	25	0.94	0.87	0.86	0.84	0.85	1.00
X020165	BCG_2529	357	5	3	3	0.90	0.84	0.98	0.98	1.08	1.00
X020165	BCG_2530C	83	3	3	3	0.92	0.86	0.74	0.99	1.05	1.00
X020165	BCG_2541C	112	8	4	5	1.00	0.90	0.97	0.94	0.95	1.00
X020165	BCG_2542	260	8	5	5	1.05	1.07	0.99	1.01	1.09	1.00
X020165	BCG_2545C	4713	111	76	83	0.91	0.99	0.93	0.89	0.69	1.00
X020165	BCG_2550	170	4	2	2	0.86	0.78	0.91	0.93	1.00	1.00
X020165	BCG_2553C	220	7	3	3	0.91	1.03	0.82	0.91	0.96	1.00
X020165	BCG_2556C	166	6	5	5	1.11	1.20	1.00	1.02	1.08	1.00
X020165	BCG_2557C	459	12	7	7	0.95	0.87	0.91	0.95	1.05	1.00
X020165	BCG_2558	242	6	5	5	0.87	1.07	1.01	1.11	1.05	1.00
X020165	BCG_2560C	96	3	3	3	1.04	1.09	0.97	1.00	1.06	1.00
X020165	BCG_2562C	334	8	4	4	0.97	1.10	0.97	1.09	0.96	1.00
X020165	BCG_2576C	461	11	8	9	0.95	0.97	0.92	0.82	0.92	1.00
X020165	BCG_2578C	1461	32	23	23	0.85	1.10	0.91	0.94	1.04	1.00
X020165	BCG_2585	615	13	9	9	0.88	1.15	0.90	0.92	0.96	1.00
X020165	BCG_2586	416	8	5	5	0.84	0.71	0.96	0.88	1.04	1.00
X020165	BCG_2587	175	5	3	3	0.90	1.01	0.84	0.96	1.03	1.00
X020165	BCG_2595C	429	11	6	6	1.02	1.18	0.96	1.01	1.03	1.00
X020165	BCG_2597	284	8	3	3	1.05	1.02	1.10	0.93	0.96	1.00
X020165	BCG_2598	175	3	3	3	1.23	1.18	0.97	1.03	0.99	1.00
X020165	BCG_2602	276	8	5	5	1.28	1.29	1.09	1.81	1.18	1.00
X020165	BCG_2603C	224	7	2	2	1.06	1.00	0.81	1.00	1.04	1.00
X020165	BCG_2604C	103	5	3	3	1.16	0.98	1.07	1.09	1.11	1.00
X020165	BCG_2605	131	3	2	2	0.78	0.69	0.88	1.06	0.72	1.00
X020165	BCG_2607C	571	9	8	8	0.86	0.89	1.03	0.98	1.20	1.00

X020165	BCG_2609C	315	7	5	5	0.76	0.88	1.02	0.84	0.89	1.00
X020165	BCG_2610C	375	9	6	6	0.84	1.00	1.03	0.97	1.01	1.00
X020165	BCG_2612	340	8	5	5	0.93	1.13	0.79	0.96	1.02	1.00
X020165	BCG_2616C	355	7	7	7	1.13	1.06	0.99	1.06	1.13	1.00
X020165	BCG_2628C	129	4	2	2	0.92	0.69	0.93	0.92	1.27	1.00
X020165	BCG_2630C	296	7	6	6	1.01	0.90	0.98	1.60	1.01	1.00
X020165	BCG_2631C	499	14	6	10	0.92	1.01	1.02	1.01	1.02	1.00
X020165	BCG_2632	146	4	3	3	0.95	0.99	0.92	1.04	1.02	1.00
X020165	BCG_2636C	89	4	2	2	0.85	1.25	0.85	0.84	0.89	1.00
X020165	BCG_2644C	89	2	2	2	0.97	0.90	0.83	1.01	1.00	1.00
X020165	BCG_2649	685	17	9	10	1.04	1.12	1.06	0.99	0.96	1.00
X020165	BCG_2650	441	11	7	8	1.08	0.89	0.94	0.95	1.01	1.00
X020165	BCG_2651C	92	2	2	2	1.08	1.03	1.02	0.99	1.04	1.00
X020165	BCG_2653C	191	3	3	3	1.15	0.89	0.97	1.08	1.13	1.00
X020165	BCG_2654C	149	6	3	3	0.83	0.89	0.87	0.80	0.84	1.00
X020165	BCG_2656	218	4	3	3	1.24	0.92	1.02	1.09	1.20	1.00
X020165	BCG_2659C	123	2	2	2	0.95	0.95	1.08	0.95	0.90	1.00
X020165	BCG_2668	339	6	4	4	0.98	0.83	0.89	1.03	1.09	1.00
X020165	BCG_2684	864	29	14	18	0.98	0.95	1.17	1.00	0.96	1.00
X020165	BCG_2685	129	5	3	3	1.00	1.39	1.11	1.02	1.06	1.00
X020165	BCG_2686	148	6	3	3	0.92	1.01	0.97	0.97	0.90	1.00
X020165	BCG_2689C	318	9	5	5	0.91	0.82	0.93	0.91	1.05	1.00
X020165	BCG_2690C	153	4	3	3	1.11	1.33	0.98	1.04	1.08	1.00
X020165	BCG_2692	248	4	4	4	0.93	0.88	1.01	1.20	1.05	1.00
X020165	BCG_2696	139	4	3	3	1.21	0.92	1.13	1.23	1.12	1.00
X020165	BCG_2702C	202	5	2	2	0.89	1.03	0.93	1.03	0.99	1.00
X020165	BCG_2704	225	6	4	4	1.12	1.03	1.07	1.17	1.16	1.00
X020165	BCG_2709C	224	6	3	3	1.48	1.73	0.93	1.05	1.25	1.00
X020165	BCG_2715	171	4	2	2	0.90	0.93	0.90	0.83	0.98	1.00
X020165	BCG_2716	932	19	13	14	0.86	0.89	0.88	0.90	1.03	1.00
X020165	BCG_2723	193	3	3	3	0.99	1.02	0.95	1.11	1.11	1.00
X020165	BCG_2724	548	10	8	8	1.23	1.09	1.11	1.01	1.13	1.00
X020165	BCG_2727	144	5	2	2	0.97	1.01	0.97	1.06	1.15	1.00
X020165	BCG_2731C	213	5	3	3	1.03	1.17	1.18	1.08	1.16	1.00
X020165	BCG_2733	136	4	3	3	1.91	0.71	1.06	1.02	1.26	1.00
X020165	BCG_2734C	428	7	5	5	1.74	0.89	0.86	1.03	0.87	1.00
X020165	BCG_2739C	54	2	2	2	1.08	1.11	1.03	1.03	1.03	1.00
X020165	BCG_2744	213	6	4	4	0.94	1.33	1.09	1.14	0.96	1.00
X020165	BCG_2745C	144	4	2	2	1.00	1.26	0.90	0.94	0.87	1.00
X020165	BCG_2750C	447	8	3	3	0.91	1.17	1.05	1.01	1.04	1.00

X020165	BCG_2759C	262	5	4	4	0.91	1.08	1.14	1.01	0.94	1.00
X020165	BCG_2760C	1241	33	17	25	0.95	1.03	1.19	1.08	1.02	1.00
X020165	BCG_2767	240	6	3	3	1.05	0.92	1.12	1.03	1.04	1.00
X020165	BCG_2768C	502	12	7	7	1.13	1.17	1.17	1.17	1.02	1.00
X020165	BCG_2769C	382	11	5	5	1.12	1.22	1.00	1.08	1.11	1.00
X020165	BCG_2770C	69	2	2	2	0.84	0.90	0.82	0.85	0.98	1.00
X020165	BCG_2780C	618	32	11	22	1.01	1.04	1.10	0.96	0.94	1.00
X020165	BCG_2782	383	14	8	10	1.08	1.13	1.16	1.08	1.09	1.00
X020165	BCG_2783C	233	5	3	3	0.86	1.25	0.75	0.85	0.80	1.00
X020165	BCG_2790C	262	6	4	4	0.83	0.84	0.83	0.86	1.03	1.00
X020165	BCG_2800C	488	9	8	8	0.91	0.97	0.87	0.92	1.01	1.00
X020165	BCG_2801C	1802	53	29	40	0.87	0.81	0.91	0.91	0.96	1.00
X020165	BCG_2803C	209	10	4	5	1.10	0.92	1.08	1.04	1.01	1.00
X020165	BCG_2808C	369	7	7	7	0.90	0.86	0.87	0.89	0.99	1.00
X020165	BCG_2811C	301	7	4	4	0.86	1.02	0.94	1.15	0.95	1.00
X020165	BCG_2820C	296	6	3	3	1.12	1.16	0.99	1.06	1.01	1.00
X020165	BCG_2851	363	6	3	3	0.96	0.96	1.13	1.03	1.12	1.00
X020165	BCG_2857C	374	5	5	5	0.98	0.91	1.01	0.96	1.08	1.00
X020165	BCG_2858C	192	5	3	3	0.85	0.86	0.96	1.11	1.03	1.00
X020165	BCG_2859C	1209	29	21	22	0.89	1.30	0.80	0.92	1.34	1.00
X020165	BCG_2861C	440	12	7	7	0.92	0.92	0.82	0.88	0.89	1.00
X020165	BCG_2862C	476	9	8	8	0.98	0.84	0.96	0.86	1.17	1.00
X020165	BCG_2865C	601	17	9	9	0.93	0.96	0.95	1.01	1.03	1.00
X020165	BCG_2867C	60	2	2	2	1.06	0.99	0.81	0.92	0.97	1.00
X020165	BCG_2872C	134	5	3	3	1.21	1.07	1.04	1.04	1.05	1.00
X020165	BCG_2875	348	9	3	3	1.20	1.18	1.09	1.22	1.30	1.00
X020165	BCG_2879C	164	3	3	3	1.08	0.97	0.95	1.10	1.05	1.00
X020165	BCG_2880C	147	5	3	3	0.85	0.90	0.88	0.92	1.04	1.00
X020165	BCG_2882C	1557	47	16	22	0.91	0.82	1.02	0.89	0.92	1.00
X020165	BCG_2883C	214	5	5	5	1.08	0.88	0.85	0.99	1.43	1.00
X020165	BCG_2890C	721	14	11	12	0.99	0.84	0.91	0.98	1.08	1.00
X020165	BCG_2901C	164	6	3	3	1.22	1.20	1.01	1.05	1.09	1.00
X020165	BCG_2903C	490	12	9	10	1.16	1.01	0.96	1.07	1.17	1.00
X020165	BCG_2904C	385	7	5	5	1.01	1.04	0.98	0.96	1.05	1.00
X020165	BCG_2909C	966	22	16	17	1.13	0.97	1.10	0.96	0.94	1.00
X020165	BCG_2910C	910	19	13	15	0.90	0.72	0.87	0.92	1.07	1.00
X020165	BCG_2911C	626	22	13	16	1.03	1.00	0.94	1.01	1.00	1.00
X020165	BCG_2916C	208	5	3	3	1.02	1.00	0.91	0.99	1.06	1.00
X020165	BCG_2922C	371	9	7	7	0.98	0.94	0.95	0.98	1.05	1.00
X020165	BCG_2924C	243	8	4	4	0.86	1.37	0.87	1.10	1.02	1.00

X020165	BCG_2925C	423	14	8	8	0.77	0.79	0.91	0.88	1.00	1.00
X020165	BCG_2929C	319	6	5	5	1.08	1.06	1.14	1.13	1.03	1.00
X020165	BCG_2930C	235	8	5	6	0.94	0.94	1.06	1.05	1.01	1.00
X020165	BCG_2937C	748	15	10	10	0.86	0.90	0.88	0.95	1.16	1.00
X020165	BCG_2942C	688	15	11	12	0.90	0.98	0.97	0.88	0.95	1.00
X020165	BCG_2943C	936	23	14	14	0.97	1.24	1.02	0.98	1.09	1.00
X020165	BCG_2944C	153	3	2	2	0.91	0.78	1.04	0.93	1.09	1.00
X020165	BCG_2947C	195	5	3	3	0.96	1.15	0.89	0.92	1.07	1.00
X020165	BCG_2949C	462	14	9	9	0.97	1.15	1.06	1.06	1.00	1.00
X020165	BCG_2950	312	6	5	5	0.99	0.93	0.91	0.98	1.03	1.00
X020165	BCG_2952	617	14	8	8	1.00	0.98	0.93	1.06	1.05	1.00
X020165	BCG_2957	780	17	9	9	1.03	1.16	1.01	1.02	1.10	1.00
X020165	BCG_2958	281	8	5	5	1.10	1.15	0.98	1.01	1.01	1.00
X020165	BCG_2962C	3340	83	49	58	0.91	1.21	0.96	1.01	1.08	1.00
X020165	BCG_2963	699	18	11	12	1.01	1.01	1.01	1.02	1.17	1.00
X020165	BCG_2964	487	10	8	8	0.83	1.17	0.95	1.07	0.89	1.00
X020165	BCG_2967C	500	8	7	7	0.98	1.05	0.94	0.95	1.06	1.00
X020165	BCG_2968C	1315	26	18	18	0.93	1.18	0.96	0.98	1.01	1.00
X020165	BCG_2969C	704	15	8	8	0.84	0.87	1.00	1.00	0.95	1.00
X020165	BCG_2970C	373	9	5	5	0.97	1.02	1.02	0.99	1.06	1.00
X020165	BCG_2971C	376	9	6	6	1.03	1.19	0.95	1.02	1.15	1.00
X020165	BCG_2972C	637	13	10	11	0.95	0.82	0.95	0.92	1.03	1.00
X020165	BCG_2973	231	6	4	4	0.94	0.75	0.73	0.85	1.04	1.00
X020165	BCG_2974	592	12	8	9	0.92	0.87	0.91	0.89	1.07	1.00
X020165	BCG_2976C	191	5	3	3	1.22	0.92	1.00	0.96	1.15	1.00
X020165	BCG_2978	141	4	3	3	1.10	0.90	0.94	0.94	0.99	1.00
X020165	BCG_2980C	274	8	5	5	0.85	0.86	0.87	0.89	0.91	1.00
X020165	BCG_2983C	256	6	4	4	0.94	1.10	1.21	1.04	0.96	1.00
X020165	BCG_2984	83	2	2	2	1.00	1.16	1.21	1.28	1.16	1.00
X020165	BCG_2985	504	15	9	10	0.95	0.91	0.97	0.92	0.91	1.00
X020165	BCG_2988C	574	12	8	8	0.84	1.10	0.91	1.01	1.10	1.00
X020165	BCG_2990C	385	10	7	7	0.97	0.86	0.90	0.99	1.02	1.00
X020165	BCG_2991C	597	12	9	9	0.93	0.99	0.84	0.90	0.92	1.00
X020165	BCG_2993	788	14	10	10	1.03	0.85	0.92	0.93	1.14	1.00
X020165	BCG_2997C	70	3	2	2	1.18	1.27	0.94	1.10	1.19	1.00
X020165	BCG_3002C	466	13	10	10	0.85	0.86	0.93	0.92	0.91	1.00
X020165	BCG_3003C	147	3	3	3	0.97	1.06	0.85	1.17	1.02	1.00
X020165	BCG_3005	574	14	8	8	0.90	0.84	0.88	1.00	1.13	1.00
X020165	BCG_3007C	247	6	5	5	0.71	0.85	0.83	0.82	0.90	1.00
X020165	BCG_3008C	419	10	6	6	0.88	0.71	0.87	0.85	1.02	1.00

X020165	BCG_3009C	799	21	14	15	1.04	0.99	1.00	1.05	1.12	1.00
X020165	BCG_3010	789	17	13	13	1.16	1.00	0.98	0.88	1.04	1.00
X020165	BCG_3013C	633	15	9	9	1.07	1.10	1.02	1.07	1.11	1.00
X020165	BCG_3014C	222	5	3	3	1.14	1.31	0.97	1.04	1.07	1.00
X020165	BCG_3016C	460	9	6	6	0.90	0.88	0.94	0.92	1.09	1.00
X020165	BCG_3017C	1235	24	17	18	0.88	0.87	0.97	0.94	1.02	1.00
X020165	BCG_3023C	534	17	9	10	0.75	0.70	0.73	0.72	0.91	1.00
X020165	BCG_3024C	126	5	2	2	0.88	0.86	0.96	1.12	0.98	1.00
X020165	BCG_3025C	124	5	3	4	1.04	1.70	1.07	1.10	1.11	1.00
X020165	BCG_3027C	191	3	3	3	1.16	0.98	1.00	1.08	1.11	1.00
X020165	BCG_3031C	708	18	12	13	0.98	1.00	0.93	0.99	1.06	1.00
X020165	BCG_3032C	344	12	7	7	1.00	1.00	0.94	1.01	1.07	1.00
X020165	BCG_3033C	496	9	6	6	0.95	0.91	0.94	1.02	1.06	1.00
X020165	BCG_3034C	137	2	2	2	1.11	1.20	1.02	1.29	1.01	1.00
X020165	BCG_3037C	88	3	2	2	0.97	1.27	0.98	0.96	0.91	1.00
X020165	BCG_3051C	720	14	11	13	1.05	0.82	0.90	0.99	1.13	1.00
X020165	BCG_3052C	546	16	9	9	0.95	0.78	0.84	0.92	1.08	1.00
X020165	BCG_3054	370	12	7	7	1.03	1.33	1.02	1.11	0.95	1.00
X020165	BCG_3056	167	6	2	2	1.14	1.52	1.34	1.17	1.09	1.00
X020165	BCG_3058C	317	11	6	6	0.97	0.87	1.09	0.93	0.99	1.00
X020165	BCG_3059	80	2	2	2	0.98	1.17	0.82	0.85	0.92	1.00
X020165	BCG_3062C	242	4	3	3	0.98	1.19	1.08	1.03	0.98	1.00
X020165	BCG_3063C	149	3	3	3	0.84	0.83	0.95	0.95	1.07	1.00
X020165	BCG_3066C	254	6	5	5	1.00	1.15	0.94	1.02	1.15	1.00
X020165	BCG_3069	621	19	11	17	0.93	0.76	0.88	0.94	1.06	1.00
X020165	BCG_3072C	321	10	7	7	1.03	0.95	0.96	0.99	1.12	1.00
X020165	BCG_3073C	117	5	2	2	1.09	1.03	0.98	1.03	1.05	1.00
X020165	BCG_3074C	405	12	5	5	0.88	0.87	0.83	0.90	1.12	1.00
X020165	BCG_3075C	815	20	14	14	0.93	0.88	0.90	0.98	1.16	1.00
X020165	BCG_3079C	112	3	3	3	0.98	1.17	1.00	0.99	1.03	1.00
X020165	BCG_3082C	156	4	3	3	0.91	1.46	1.00	0.98	0.95	1.00
X020165	BCG_3093C	211	5	3	3	1.21	1.23	1.02	1.05	1.03	1.00
X020165	BCG_3100C	373	8	5	5	1.24	0.92	1.07	1.10	1.12	1.00
X020165	BCG_3102	368	9	6	6	1.12	1.17	1.13	1.05	1.02	1.00
X020165	BCG_3115	402	8	6	6	0.93	1.16	1.21	1.08	0.99	1.00
X020165	BCG_3116	436	12	5	5	1.13	1.71	1.38	1.43	1.09	1.00
X020165	BCG_3118C	390	8	7	7	1.10	1.24	0.98	0.93	0.85	1.00
X020165	BCG_3124C	356	8	7	7	1.09	1.06	1.02	1.08	1.12	1.00
X020165	BCG_3126C	264	10	7	7	0.91	1.22	0.89	0.99	0.89	1.00
X020165	BCG_3127C	568	15	8	10	0.89	0.97	0.99	0.98	1.05	1.00

X020165	BCG_3129C	107	3	2	2	1.13	1.31	1.07	1.06	1.14	1.00
X020165	BCG_3130C	405	11	5	5	0.99	0.89	0.90	1.03	1.10	1.00
X020165	BCG_3131	312	9	5	5	0.96	1.08	0.93	0.99	1.06	1.00
X020165	BCG_3141	188	4	2	2	1.14	1.19	1.00	1.02	0.85	1.00
X020165	BCG_3142	809	28	18	23	1.00	0.77	0.92	0.92	1.12	1.00
X020165	BCG_3153C	297	11	6	6	0.94	1.22	1.06	0.92	1.00	1.00
X020165	BCG_3156C	437	9	5	5	1.05	0.96	1.00	1.06	1.12	1.00
X020165	BCG_3157C	145	5	3	3	0.99	1.30	0.87	1.13	1.02	1.00
X020165	BCG_3158	181	4	2	2	1.11	1.38	1.24	1.18	1.00	1.00
X020165	BCG_3160	240	6	4	4	0.94	1.20	0.85	0.95	1.00	1.00
X020165	BCG_3162	661	14	8	9	0.80	0.83	0.93	0.94	1.00	1.00
X020165	BCG_3163	842	21	13	15	0.85	0.81	0.94	0.97	1.03	1.00
X020165	BCG_3164	353	9	5	5	0.97	0.90	0.89	0.98	1.09	1.00
X020165	BCG_3166	118	3	3	3	1.03	0.89	1.07	1.07	1.04	1.00
X020165	BCG_3168	130	2	2	2	0.89	1.05	1.11	1.13	0.94	1.00
X020165	BCG_3169	267	8	5	6	1.30	1.05	1.09	1.09	1.15	1.00
X020165	BCG_3170	172	4	3	3	0.98	0.90	0.93	0.97	1.05	1.00
X020165	BCG_3171	358	9	7	7	0.89	0.78	0.91	0.92	0.97	1.00
X020165	BCG_3172	133	3	2	2	1.12	0.98	0.99	1.14	1.07	1.00
X020165	BCG_3173	420	14	7	7	0.87	0.87	0.88	0.91	1.02	1.00
X020165	BCG_3174	507	16	9	9	0.91	0.90	0.86	0.92	1.01	1.00
X020165	BCG_3176	184	4	3	3	0.94	1.00	1.03	0.97	1.07	1.00
X020165	BCG_3179	153	7	4	5	0.93	1.28	0.92	1.06	0.93	1.00
X020165	BCG_3181	190	5	3	3	0.82	1.20	0.90	0.87	0.79	1.00
X020165	BCG_3185C	686	16	13	13	0.98	0.89	1.01	1.02	1.08	1.00
X020165	BCG_3197C	66	2	2	2	1.07	1.07	1.26	1.17	1.20	1.00
X020165	BCG_3215C	1220	34	20	20	0.83	1.39	0.91	0.92	0.96	1.00
X020165	BCG_3223	224	4	4	4	0.91	0.93	0.94	1.01	0.98	1.00
X020165	BCG_3225C	439	11	6	6	0.94	0.90	0.99	0.88	0.97	1.00
X020165	BCG_3231C	91	3	2	2	1.17	1.63	0.93	1.04	1.06	1.00
X020165	BCG_3232C	385	9	7	7	1.05	1.06	0.96	1.05	1.05	1.00
X020165	BCG_3234	254	7	4	4	1.01	0.96	0.95	1.11	1.11	1.00
X020165	BCG_3235C	170	3	3	3	1.03	0.94	0.86	1.11	1.04	1.00
X020165	BCG_3238	1022	25	17	17	0.90	1.01	0.86	0.98	0.89	1.00
X020165	BCG_3240C	183	7	3	3	0.93	0.88	0.93	0.92	0.96	1.00
X020165	BCG_3251C	527	13	6	6	1.16	0.94	1.07	1.11	1.16	1.00
X020165	BCG_3252	794	28	13	22	1.13	0.85	1.01	0.99	1.15	1.00
X020165	BCG_3255C	525	10	9	9	1.06	1.13	0.96	0.97	0.95	1.00
X020165	BCG_3257	424	10	8	8	1.05	1.02	1.03	1.04	1.10	1.00
X020165	BCG_3259C	334	10	3	3	0.98	1.05	1.09	1.01	0.98	1.00

X020165	BCG_3263C	103	5	2	2	0.80	1.15	0.88	0.93	0.98	1.00
X020165	BCG_3269C	1423	35	22	23	0.87	1.27	0.94	0.97	1.26	1.00
X020165	BCG_3273C	89	3	2	2	0.96	1.20	0.99	1.04	1.03	1.00
X020165	BCG_3275C	429	10	5	7	0.95	0.74	0.88	0.91	1.06	1.00
X020165	BCG_3276C	243	6	2	2	0.88	1.02	0.92	0.92	1.05	1.00
X020165	BCG_3277C	1214	42	22	27	0.94	0.76	0.94	0.93	1.10	1.00
X020165	BCG_3284C	207	6	4	4	1.16	1.04	1.04	1.05	1.15	1.00
X020165	BCG_3285C	333	6	4	4	1.09	0.96	1.11	1.11	0.99	1.00
X020165	BCG_3291	262	8	4	4	0.96	1.16	1.00	1.00	1.04	1.00
X020165	BCG_3293C	430	10	7	8	0.96	0.95	0.93	0.96	1.05	1.00
X020165	BCG_3294C	211	4	3	3	0.69	0.88	0.74	0.75	0.90	1.00
X020165	BCG_3297	128	5	3	3	1.10	1.53	0.95	1.14	0.96	1.00
X020165	BCG_3298	260	5	3	3	1.35	1.19	1.02	1.08	1.05	1.00
X020165	BCG_3299	592	17	10	11	0.91	1.07	0.95	0.98	0.94	1.00
X020165	BCG_3302	499	11	8	8	0.85	0.97	1.05	0.91	0.97	1.00
X020165	BCG_3303C	944	25	14	18	0.91	0.86	0.90	0.96	1.04	1.00
X020165	BCG_3305C	1698	58	21	34	0.98	0.88	1.02	0.96	0.88	1.00
X020165	BCG_3309	1281	39	20	31	0.89	0.83	0.98	0.85	0.92	1.00
X020165	BCG_3310	99	3	2	2	1.31	1.20	1.36	1.48	1.18	1.00
X020165	BCG_3312	490	12	9	9	0.99	0.94	0.77	0.87	0.96	1.00
X020165	BCG_3314	1470	47	24	30	0.98	0.96	1.07	0.92	0.88	1.00
X020165	BCG_3315C	117	3	3	3	0.90	1.42	0.97	0.93	0.94	1.00
X020165	BCG_3321	276	8	6	6	1.02	0.91	1.01	1.01	1.06	1.00
X020165	BCG_3322	510	12	10	10	1.02	1.17	0.93	1.05	1.04	1.00
X020165	BCG_3324	480	12	7	7	0.94	0.94	0.83	0.84	0.97	1.00
X020165	BCG_3325	447	15	6	6	0.98	1.12	0.95	1.08	1.00	1.00
X020165	BCG_3334	172	4	3	3	1.01	1.01	0.99	1.03	1.11	1.00
X020165	BCG_3335	243	6	3	3	0.90	0.88	0.83	0.85	1.02	1.00
X020165	BCG_3340C	545	15	9	10	0.99	1.05	1.15	1.20	1.05	1.00
X020165	BCG_3349C	155	4	3	3	1.07	1.37	1.16	1.20	1.18	1.00
X020165	BCG_3356C	119	3	3	3	1.02	1.35	0.89	0.99	0.95	1.00
X020165	BCG_3364C	185	6	2	2	1.32	1.37	1.11	1.11	1.01	1.00
X020165	BCG_3366C	361	11	4	4	0.96	0.92	0.93	0.99	1.09	1.00
X020165	BCG_3367C	916	22	14	16	0.98	0.96	0.95	1.05	1.05	1.00
X020165	BCG_3368C	153	5	3	3	1.52	1.18	1.08	0.99	0.92	1.00
X020165	BCG_3370C	170	5	2	2	1.96	0.88	1.01	1.33	1.23	1.00
X020165	BCG_3371C	133	5	2	2	0.94	1.09	0.90	0.92	0.91	1.00
X020165	BCG_3376	237	6	4	4	1.13	0.94	1.11	1.05	1.05	1.00
X020165	BCG_3379C	251	6	4	4	0.92	1.02	0.96	0.95	1.09	1.00
X020165	BCG_3383	101	4	3	3	1.09	1.03	1.06	1.04	1.00	1.00

X020165	BCG_3384	506	15	9	9	0.93	1.07	0.88	0.97	1.06	1.00
X020165	BCG_3385	140	7	3	3	1.02	1.07	0.95	0.94	0.97	1.00
X020165	BCG_3408	171	3	3	3	0.95	1.04	0.94	0.95	0.88	1.00
X020165	BCG_3410	285	5	4	4	1.05	0.98	0.95	1.10	1.07	1.00
X020165	BCG_3412	147	4	2	2	1.05	1.16	1.09	1.07	1.12	1.00
X020165	BCG_3428C	115	5	2	2	0.93	0.78	0.84	1.02	1.05	1.00
X020165	BCG_3440C	89	3	2	2	0.94	0.83	0.93	1.02	1.17	1.00
X020165	BCG_3441	104	4	2	2	1.03	0.88	1.11	0.87	1.20	1.00
X020165	BCG_3445	189	6	3	3	0.99	0.78	0.86	0.90	0.99	1.00
X020165	BCG_3453C	195	5	4	4	0.81	0.78	0.85	0.86	0.83	1.00
X020165	BCG_3458C	788	16	11	12	1.04	0.90	1.05	1.04	1.18	1.00
X020165	BCG_3461C	241	5	5	5	0.81	0.71	0.80	0.86	1.05	1.00
X020165	BCG_3466C	344	10	9	9	0.94	1.11	0.90	0.93	1.08	1.00
X020165	BCG_3469	361	8	7	7	1.00	0.87	1.00	0.98	1.09	1.00
X020165	BCG_3470	234	7	3	3	1.26	1.06	1.00	1.10	1.18	1.00
X020165	BCG_3471	555	14	9	9	0.93	1.03	0.93	1.08	1.06	1.00
X020165	BCG_3474C	80	2	2	2	1.10	0.76	0.92	0.92	0.88	1.00
X020165	BCG_3479C	421	12	6	6	0.97	1.14	1.07	0.97	1.00	1.00
X020165	BCG_3480C	324	9	4	4	0.94	0.90	1.06	1.01	1.09	1.00
X020165	BCG_3487C	1660	52	22	35	0.89	0.78	0.89	0.92	1.06	1.00
X020165	BCG_3488C	621	27	9	19	1.09	0.78	0.89	1.12	1.11	1.00
X020165	BCG_3502C	430	11	6	6	1.07	0.97	1.05	1.10	1.09	1.00
X020165	BCG_3507C	349	7	4	4	1.06	1.35	0.95	1.07	1.04	1.00
X020165	BCG_3508C	413	17	9	12	0.96	0.94	1.01	1.00	0.98	1.00
X020165	BCG_3509C	343	11	7	9	1.02	1.08	1.13	1.04	1.00	1.00
X020165	BCG_3520C	105	4	3	3	1.18	0.89	1.12	1.05	1.04	1.00
X020165	BCG_3521C	460	16	10	12	0.87	0.94	1.06	1.00	1.06	1.00
X020165	BCG_3522C	1184	38	21	28	0.93	0.89	1.07	0.97	1.02	1.00
X020165	BCG_3523C	700	24	10	14	0.96	0.95	1.04	0.98	1.01	1.00
X020165	BCG_3524C	218	7	5	5	1.04	0.96	1.15	0.98	1.27	1.00
X020165	BCG_3525C	568	22	9	11	0.76	0.76	0.92	0.80	0.94	1.00
X020165	BCG_3527C	186	5	4	5	0.90	0.99	1.02	1.10	1.24	1.00
X020165	BCG_3529	268	6	4	4	1.05	0.92	0.95	1.02	1.12	1.00
X020165	BCG_3530	163	6	2	2	1.16	1.10	1.25	1.13	1.26	1.00
X020165	BCG_3549C	190	5	2	2	1.19	1.16	1.02	1.08	1.12	1.00
X020165	BCG_3554	292	10	4	4	0.87	1.08	0.84	0.79	0.93	1.00
X020165	BCG_3556C	184	4	2	2	0.87	0.92	0.94	0.90	1.00	1.00
X020165	BCG_3561C	109	2	2	2	0.91	0.92	1.05	0.88	0.81	1.00
X020165	BCG_3573C	631	11	9	9	1.07	1.00	0.98	1.05	1.07	1.00
X020165	BCG_3579	141	4	2	2	0.98	1.16	0.95	0.96	1.12	1.00

X020165	BCG_3583	420	13	9	10	1.02	0.95	0.98	0.87	0.97	1.00
X020165	BCG_3584C	376	9	5	6	0.86	0.78	0.88	0.92	1.05	1.00
X020165	BCG_3592C	260	8	7	7	1.05	0.96	1.08	0.91	1.09	1.00
X020165	BCG_3598C	213	4	3	3	0.95	0.85	0.87	0.97	1.08	1.00
X020165	BCG_3611	247	7	4	4	0.94	0.79	1.07	1.10	1.24	1.00
X020165	BCG_3620C	207	6	4	4	1.07	1.28	1.07	0.98	1.08	1.00
X020165	BCG_3634C	133	4	2	2	1.03	0.87	0.89	1.14	1.01	1.00
X020165	BCG_3635C	599	13	9	9	0.99	0.89	0.92	0.92	1.01	1.00
X020165	BCG_3640C	212	7	3	3	0.80	1.00	1.04	0.92	0.98	1.00
X020165	BCG_3645C	398	9	6	6	1.01	1.03	0.98	1.04	1.03	1.00
X020165	BCG_3647C	105	3	2	2	0.98	0.92	1.00	1.19	1.13	1.00
X020165	BCG_3648C	421	10	7	7	1.17	0.90	0.93	1.00	1.14	1.00
X020165	BCG_3649	290	5	4	4	0.82	0.76	0.88	0.93	1.01	1.00
X020165	BCG_3652C	188	4	3	3	0.80	0.73	0.86	0.84	0.97	1.00
X020165	BCG_3653C	387	7	7	7	1.10	0.93	0.98	1.02	1.11	1.00
X020165	BCG_3657	154	2	2	2	1.00	0.80	0.88	0.95	1.08	1.00
X020165	BCG_3661C	1674	40	26	27	0.90	0.98	0.84	0.92	1.04	1.00
X020165	BCG_3662C	210	7	4	5	1.07	1.22	1.12	1.18	1.46	1.00
X020165	BCG_3663C	407	11	5	5	0.93	0.94	0.92	0.95	1.07	1.00
X020165	BCG_3664C	148	5	3	3	1.19	1.30	1.04	1.13	1.15	1.00
X020165	BCG_3674C	636	13	8	8	0.81	0.99	0.94	0.92	0.96	1.00
X020165	BCG_3680C	311	8	5	5	0.64	0.91	0.81	0.89	0.79	1.00
X020165	BCG_3682C	172	3	3	3	1.00	0.91	0.95	1.02	1.02	1.00
X020165	BCG_3684C	259	10	3	3	1.04	1.28	1.02	1.04	0.98	1.00
X020165	BCG_3685C	188	4	3	3	1.03	0.96	1.09	1.16	1.02	1.00
X020165	BCG_3686	413	8	7	8	1.13	1.05	0.99	1.23	1.17	1.00
X020165	BCG_3692C	328	6	5	5	1.03	1.05	1.01	0.95	1.00	1.00
X020165	BCG_3703	332	8	3	3	1.14	1.60	1.04	1.10	1.01	1.00
X020165	BCG_3704C	1767	36	26	27	0.95	1.22	0.90	0.96	1.05	1.00
X020165	BCG_3706C	238	9	5	7	1.41	1.07	1.13	1.39	1.20	1.00
X020165	BCG_3719	145	6	3	3	0.91	0.93	0.99	1.00	1.04	1.00
X020165	BCG_3725	326	8	5	5	0.95	0.84	0.92	0.99	1.10	1.00
X020165	BCG_3727	151	5	4	4	0.83	1.05	0.92	1.15	0.94	1.00
X020165	BCG_3729C	339	6	5	5	0.90	0.90	0.91	0.92	0.97	1.00
X020165	BCG_3732C	161	5	5	5	0.87	1.02	0.86	0.90	1.03	1.00
X020165	BCG_3734	410	11	5	5	1.24	1.08	1.09	1.01	1.13	1.00
X020165	BCG_3736C	184	3	2	2	1.02	0.88	0.91	1.09	1.17	1.00
X020165	BCG_3738	215	6	2	2	0.97	0.90	0.86	0.99	0.91	1.00
X020165	BCG_3739	410	9	4	4	0.86	0.80	0.90	0.98	1.00	1.00
X020165	BCG_3741	371	12	4	4	0.89	0.93	0.83	0.98	0.95	1.00

X020165	BCG_3742	177	6	4	4	1.17	1.09	0.98	0.96	0.99	1.00
X020165	BCG_3743	316	7	4	4	0.94	0.83	0.99	0.93	1.03	1.00
X020165	BCG_3747C	191	3	3	3	1.03	0.80	0.86	0.88	1.07	1.00
X020165	BCG_3750	152	3	3	3	1.00	1.26	1.01	1.01	0.95	1.00
X020165	BCG_3751	435	9	4	4	0.96	0.98	0.96	0.91	1.07	1.00
X020165	BCG_3752	162	6	3	3	0.99	1.20	0.98	1.04	1.03	1.00
X020165	BCG_3755C	404	8	6	6	0.99	1.13	0.94	1.05	1.06	1.00
X020165	BCG_3768C	577	11	7	7	0.93	0.91	0.76	0.89	0.99	1.00
X020165	BCG_3769C	588	14	10	10	0.96	0.96	1.01	1.02	1.06	1.00
X020165	BCG_3770	894	25	19	20	0.90	1.24	0.92	0.92	1.01	1.00
X020165	BCG_3776C	176	4	3	3	1.15	0.86	0.93	1.14	1.13	1.00
X020165	BCG_3778C	276	6	5	5	1.01	0.78	1.01	0.96	1.07	1.00
X020165	BCG_3779	242	5	2	2	0.80	0.67	0.86	0.81	1.18	1.00
X020165	BCG_3780	860	22	11	12	0.97	0.87	1.02	0.91	1.03	1.00
X020165	BCG_3782C	694	18	14	14	0.94	0.82	0.84	0.89	1.06	1.00
X020165	BCG_3794C	442	8	5	5	1.06	1.04	1.12	1.09	1.18	1.00
X020165	BCG_3806	363	10	4	6	1.06	1.02	1.03	1.21	1.24	1.00
X020165	BCG_3811C	241	5	4	4	1.13	1.44	1.12	1.09	0.93	1.00
X020165	BCG_3820C	256	6	4	4	1.09	0.97	1.02	1.17	1.00	1.00
X020165	BCG_3836	615	14	13	13	0.90	0.91	0.88	0.94	1.05	1.00
X020165	BCG_3837	400	16	8	8	1.06	0.99	0.96	1.04	0.98	1.00
X020165	BCG_3839	111	4	2	2	1.03	1.33	0.82	1.16	1.02	1.00
X020165	BCG_3840C	291	6	4	4	0.89	0.70	0.81	0.92	0.92	1.00
X020165	BCG_3841	67	2	2	2	1.18	1.02	1.10	1.34	1.00	1.00
X020165	BCG_3842	277	6	6	6	1.13	1.02	0.99	1.22	1.10	1.00
X020165	BCG_3843	149	5	3	3	0.91	1.05	0.85	0.99	0.99	1.00
X020165	BCG_3844	409	9	7	7	0.91	0.83	0.97	0.95	0.96	1.00
X020165	BCG_3850	90	2	2	2	1.14	1.18	1.06	1.31	1.09	1.00
X020165	BCG_3852	194	6	3	3	0.91	0.92	0.83	0.95	0.98	1.00
X020165	BCG_3853	562	12	9	10	0.85	1.21	0.80	0.83	1.01	1.00
X020165	BCG_3855	168	5	3	3	0.90	1.12	0.84	0.91	0.83	1.00
X020165	BCG_3856	75	4	2	2	1.13	1.15	1.17	1.16	1.07	1.00
X020165	BCG_3857	277	8	6	6	0.96	1.34	0.91	0.99	0.92	1.00
X020165	BCG_3861C	1517	39	19	28	0.89	0.84	0.98	0.88	0.91	1.00
X020165	BCG_3862C	1318	38	27	29	0.84	1.29	0.89	0.97	1.02	1.00
X020165	BCG_3863C	1154	24	19	19	0.91	0.93	0.91	0.93	1.04	1.00
X020165	BCG_3864C	305	9	4	4	1.10	1.08	1.11	1.09	0.99	1.00
X020165	BCG_3866C	264	6	4	5	1.06	1.04	1.12	1.06	1.29	1.00
X020165	BCG_3867C	228	5	3	3	0.91	1.08	1.14	0.96	1.00	1.00
X020165	BCG_3870C	484	13	9	9	0.86	1.00	0.91	0.96	0.98	1.00

X020165	BCG_3871C	219	8	5	5	0.85	0.87	0.84	0.90	1.00	1.00
X020165	BCG_3876C	115	2	2	2	0.64	0.70	0.79	0.74	0.99	1.00
X020165	BCG_3878C	386	9	6	6	1.09	0.95	1.26	1.04	1.06	1.00
X020165	BCG_3879	486	12	6	6	1.02	1.06	0.90	0.96	0.93	1.00
X020165	BCG_3880	523	14	9	9	1.05	1.05	0.88	1.02	1.07	1.00
X020165	BCG_3881	444	17	11	14	0.94	0.98	1.04	0.92	1.05	1.00
X020165	BCG_3897C	278	6	2	2	0.89	1.45	0.90	0.89	0.96	1.00
X020165	BCG_3901C	343	8	4	4	1.02	0.89	1.07	1.00	1.13	1.00
X020165	BCG_3904	375	9	7	8	0.96	0.96	1.02	1.00	1.04	1.00
X020165	BCG_3905C	143	5	2	2	0.97	1.00	0.90	0.85	0.90	1.00
X020165	BCG_3906C	128	7	2	2	1.03	1.26	0.99	1.00	0.90	1.00
X020165	BCG_3909	324	10	4	4	1.02	0.87	0.69	0.86	1.13	1.00
X020165	BCG_3912	300	10	7	8	1.11	1.14	1.00	1.10	1.13	1.00
X020165	BCG_3915	260	6	4	4	1.07	1.09	1.16	1.12	1.58	1.00
X020165	BCG_3917C	45	2	2	2	0.93	1.01	0.89	0.98	0.97	1.00
X020165	BCG_3921C	678	13	10	10	0.94	0.93	0.85	0.97	1.07	1.00
X020165	BCG_3922C	1053	24	20	20	0.93	1.13	0.85	0.99	1.05	1.00
X020165	BCG_3926	188	7	4	4	1.08	1.08	0.98	1.06	1.11	1.00
X020165	BCG_3927	373	11	6	10	0.87	0.84	0.84	0.90	0.98	1.00
X020165	BCG_3928	218	5	4	4	1.11	1.01	1.11	1.03	1.03	1.00
X020165	BCG_3931	899	23	16	17	0.94	0.86	0.86	0.94	1.05	1.00
X020165	BCG_3935C	210	4	3	3	1.03	0.89	0.97	1.07	1.15	1.00
X020165	BCG_3936C	569	11	7	7	0.96	0.86	0.93	1.03	1.08	1.00
X020165	BCG_3964C	250	6	3	3	0.95	1.10	0.93	1.06	1.02	1.00
X020165	BCG_3965	184	6	4	4	0.97	0.97	0.93	0.90	1.02	1.00
X020165	BCG_3967	179	4	4	4	1.00	1.32	1.09	1.12	1.05	1.00
X020165	BCG_3971	280	5	2	2	0.98	0.89	1.05	1.08	1.19	1.00
X020165	BCG_3972	312	11	6	8	1.20	0.90	1.02	1.28	1.17	1.00
X020165	BCG_3976C	119	3	2	2	0.92	0.98	0.92	0.92	0.92	1.00
X020165	BCG_3978C	578	9	8	8	1.07	0.96	1.13	1.24	1.03	1.00

Hill	IC50	pIC50
0.64	0.81	6.09
1.00	20.00	4.70
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.16	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.74	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.96	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.82	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.38	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.54	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.54	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.93	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.43	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.84	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.56	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.50	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.36	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.46	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.56	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.55	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.69	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

2.40	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.51	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.54	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.76	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.75	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.39	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.53	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.82	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.50	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.17	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.62	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.93	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.85	≥ 40.00	≤ 4.40
2.06	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.59	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.53	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.31	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
0.53	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.54	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.60	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.11	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.55	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.60	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.58	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.88	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.62	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.98	≥ 40.00	≤ 4.40
0.55	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.92	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.78	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.20	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.72	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.11	≥ 40.00	≤ 4.40
0.53	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.39	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.87	≥ 40.00	≤ 4.40
1.02	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.04	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
0.66	≥ 40.00	≤ 4.40
0.54	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.59	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.51	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.67	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.53	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.58	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.45	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.02	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.44	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.39	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.56	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.52	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.79	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.75	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.55	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.19	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.69	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.65	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.59	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.32	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.68	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.67	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.49	≥ 40.00	≤ 4.40
0.80	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.55	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.77	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.50	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.75	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.32	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.97	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.55	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.68	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.52	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.62	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.02	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.97	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.05	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.98	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.56	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.74	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.58	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.22	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

0.95	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.76	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.53	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
0.55	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.37	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.81	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.04	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.15	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.95	≥ 40.00	≤ 4.40
0.78	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.63	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.67	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

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Proteins identified with Compound 5-matrix in lysates from Mycobacterium Bovis BCG cell extracts. Generation of IC50 values for test compound Compound 7

Abbreviations: SSM; number of spectrum-to-sequence matches, UPM; unique peptide matches, NA; not available

Experiment ID	Protein Name	Mascot Score	SSM	UPM	SSM used for quantification	abundance relative to vehicle					
						TMT126	TMT127L	TMT127H	TMT128L	TMT128H	TMT129L
X020167	BCG_0005	326	9	3	3	0.97	0.97	1.07	1.06	0.99	1.00
X020167	BCG_0006	1163	30	18	19	1.34	0.99	1.06	1.06	1.11	1.00
X020167	BCG_0007	254	7	5	5	0.93	0.98	1.05	1.01	0.99	1.00
X020167	BCG_0008C	164	3	3	3	0.85	0.93	0.90	0.81	0.95	1.00
X020167	BCG_0009	321	12	5	7	0.92	0.96	1.06	1.00	1.08	1.00
X020167	BCG_0023C	443	8	6	6	0.90	0.92	0.95	0.97	0.98	1.00
X020167	BCG_0027C	251	10	5	6	1.10	0.75	0.89	0.73	1.01	1.00
X020167	BCG_0029C	106	4	4	4	0.95	1.14	0.89	1.05	1.01	1.00
X020167	BCG_0032	285	9	4	4	1.03	0.95	1.05	0.94	1.00	1.00
X020167	BCG_0044C	458	12	9	9	0.97	0.97	1.05	1.09	1.14	1.00
X020167	BCG_0045C	264	9	4	4	0.91	0.87	1.08	0.94	1.06	1.00
X020167	BCG_0048C	242	6	2	2	0.96	0.89	1.09	0.99	1.05	1.00
X020167	BCG_0049C	154	4	2	2	0.96	0.79	0.93	0.95	0.99	1.00
X020167	BCG_0050C	560	13	10	10	0.94	0.96	1.04	1.03	1.00	1.00
X020167	BCG_0072	169	7	2	2	1.08	0.86	1.01	0.94	1.11	1.00
X020167	BCG_0075C	194	9	4	4	0.79	0.97	0.85	0.94	0.86	1.00
X020167	BCG_0077C	642	17	11	13	0.98	0.89	1.00	0.98	1.08	1.00
X020167	BCG_0078C	210	5	4	4	1.15	1.45	1.15	1.19	0.95	1.00
X020167	BCG_0083	71	2	2	2	1.26	1.28	1.00	1.12	1.00	1.00
X020167	BCG_0084	314	9	6	8	0.94	1.17	1.05	1.04	1.03	1.00
X020167	BCG_0085	515	12	7	7	0.90	1.08	1.01	1.06	1.06	1.00
X020167	BCG_0086	301	15	8	10	0.86	0.81	1.09	0.81	0.91	1.00
X020167	BCG_0087	276	9	6	6	0.78	0.93	0.90	0.93	0.95	1.00
X020167	BCG_0091	169	6	3	3	2.09	0.88	0.99	0.91	1.06	1.00
X020167	BCG_0097C	387	13	8	8	1.00	0.99	1.06	1.05	1.05	1.00
X020167	BCG_0112	200	5	4	4	1.05	0.97	0.95	0.99	1.00	1.00
X020167	BCG_0121	412	12	8	9	1.14	1.03	0.97	0.90	1.05	1.00
X020167	BCG_0123	100	3	2	2	1.37	1.01	1.02	1.01	1.02	1.00

X020167	BCG_0125	124	3	2	2	1.12	1.11	0.88	1.29	0.86	1.00
X020167	BCG_0155C	243	8	4	5	0.81	1.01	0.93	1.08	0.82	1.00
X020167	BCG_0157	132	7	3	3	1.19	1.12	1.06	1.07	0.99	1.00
X020167	BCG_0160	202	8	3	3	1.05	1.01	1.02	1.06	1.02	1.00
X020167	BCG_0161	430	12	8	8	0.93	0.94	0.88	0.95	0.96	1.00
X020167	BCG_0165C	125	5	2	2	1.53	1.13	1.10	1.21	1.12	1.00
X020167	BCG_0172	68	3	2	2	1.20	0.97	1.11	1.05	0.88	1.00
X020167	BCG_0173C	89	3	2	2	1.08	1.31	1.12	1.09	0.98	1.00
X020167	BCG_0180	124	4	2	2	0.88	1.03	1.05	0.94	0.99	1.00
X020167	BCG_0183	860	22	14	14	0.87	0.80	0.87	0.73	1.04	1.00
X020167	BCG_0184	756	16	8	10	0.94	0.92	1.04	0.93	1.11	1.00
X020167	BCG_0191	981	19	14	16	0.98	0.95	1.03	1.02	1.05	1.00
X020167	BCG_0193	385	9	5	5	0.95	0.92	1.05	1.02	1.14	1.00
X020167	BCG_0197	141	3	3	3	1.15	1.12	1.10	0.98	1.13	1.00
X020167	BCG_0200	154	3	3	3	0.83	0.88	0.92	0.89	1.10	1.00
X020167	BCG_0207	235	6	2	2	0.99	1.03	0.90	0.90	1.07	1.00
X020167	BCG_0209	210	6	2	2	0.97	1.01	0.96	1.02	0.93	1.00
X020167	BCG_0210	237	6	3	3	1.02	1.02	0.96	0.96	0.99	1.00
X020167	BCG_0211	144	6	3	3	0.97	1.04	0.92	1.05	0.96	1.00
X020167	BCG_0213	173	4	3	3	0.92	0.90	0.98	0.94	1.06	1.00
X020167	BCG_0215	489	8	6	6	0.83	1.02	0.90	0.96	1.03	1.00
X020167	BCG_0217C	168	5	3	3	1.09	1.03	0.99	1.00	0.99	1.00
X020167	BCG_0220	329	8	6	6	0.99	0.90	0.95	0.94	1.09	1.00
X020167	BCG_0226C	251	8	3	3	1.13	0.99	0.98	1.00	1.19	1.00
X020167	BCG_0227	265	7	4	4	0.96	1.16	0.92	0.94	1.02	1.00
X020167	BCG_0235C	224	6	4	4	0.78	0.79	0.91	0.82	0.99	1.00
X020167	BCG_0239C	58	3	2	2	1.21	1.19	1.25	1.10	1.09	1.00
X020167	BCG_0243C	630	19	11	11	0.95	0.91	1.04	1.02	1.09	1.00
X020167	BCG_0248	130	5	3	3	1.24	1.15	1.12	1.05	0.97	1.00
X020167	BCG_0252C	66	2	2	2	0.99	1.18	1.01	1.01	0.88	1.00
X020167	BCG_0253	179	6	4	4	0.99	0.93	0.96	0.91	1.04	1.00
X020167	BCG_0264C	680	17	9	10	0.85	0.84	0.98	0.99	1.07	1.00
X020167	BCG_0271C	414	8	3	3	1.06	1.00	1.05	0.99	0.97	1.00
X020167	BCG_0275	78	6	2	2	1.01	1.11	0.98	0.95	0.81	1.00
X020167	BCG_0279C	83	4	2	2	2.21	0.95	1.50	0.96	1.11	1.00
X020167	BCG_0280C	1175	28	18	21	0.95	0.89	0.99	1.00	1.05	1.00
X020167	BCG_0281	629	19	11	12	1.43	1.05	1.19	1.03	1.06	1.00
X020167	BCG_0282C	518	10	9	9	0.92	0.94	0.97	0.91	1.03	1.00
X020167	BCG_0285C	789	20	13	15	0.94	0.95	0.98	0.95	1.06	1.00
X020167	BCG_0286C	1035	29	18	18	0.95	0.94	1.06	1.03	1.09	1.00

X020167	BCG_0287C	240	5	3	3	1.02	1.05	1.05	1.17	1.13	1.00
X020167	BCG_0288C	101	2	2	2	1.28	1.11	1.20	1.25	1.12	1.00
X020167	BCG_0289C	206	7	4	4	0.87	0.84	0.99	0.94	1.13	1.00
X020167	BCG_0298C	239	8	4	4	1.11	1.21	1.04	1.02	1.04	1.00
X020167	BCG_0308	485	14	9	9	0.88	0.89	0.96	0.95	1.02	1.00
X020167	BCG_0324	144	4	2	2	1.10	1.02	0.99	1.15	0.98	1.00
X020167	BCG_0330	107	4	2	2	1.04	1.00	1.23	1.09	1.22	1.00
X020167	BCG_0347C	58	3	2	2	1.55	1.45	0.99	1.62	0.92	1.00
X020167	BCG_0357C	87	3	3	3	0.97	0.84	0.96	0.89	1.01	1.00
X020167	BCG_0370	93	2	2	2	1.04	0.98	0.85	0.83	1.02	1.00
X020167	BCG_0377C	516	19	9	9	1.08	0.95	0.99	1.06	1.07	1.00
X020167	BCG_0389	1786	61	30	47	0.81	0.88	1.05	1.02	1.07	1.00
X020167	BCG_0390	382	14	7	8	1.00	1.18	1.11	1.15	1.11	1.00
X020167	BCG_0391	228	8	4	4	0.96	1.04	0.95	1.04	1.01	1.00
X020167	BCG_0396	192	4	3	3	1.11	1.02	1.22	0.98	0.92	1.00
X020167	BCG_0398C	118	2	2	2	0.93	1.03	0.96	0.94	0.98	1.00
X020167	BCG_0399	145	4	2	2	1.01	1.31	1.06	1.12	0.92	1.00
X020167	BCG_0401C	533	12	11	11	0.81	0.83	1.03	0.90	1.06	1.00
X020167	BCG_0402	45	2	2	2	0.93	0.89	1.02	0.96	1.17	1.00
X020167	BCG_0403C	251	5	4	4	1.07	0.86	1.03	0.95	1.00	1.00
X020167	BCG_0417	154	6	2	4	0.93	0.95	0.91	1.08	0.96	1.00
X020167	BCG_0422C	939	20	14	14	1.14	0.93	1.07	1.02	1.14	1.00
X020167	BCG_0427	82	3	2	2	1.04	1.02	1.01	1.15	1.09	1.00
X020167	BCG_0428	100	2	2	2	0.99	1.04	0.95	0.98	0.98	1.00
X020167	BCG_0431C	168	3	2	2	1.01	0.80	0.93	0.73	0.90	1.00
X020167	BCG_0437C	408	13	8	10	0.83	0.80	0.73	0.93	0.91	1.00
X020167	BCG_0445C	221	5	5	5	1.09	0.92	0.90	0.93	1.02	1.00
X020167	BCG_0446	316	7	5	5	0.93	0.82	0.89	0.87	0.98	1.00
X020167	BCG_0451C	154	4	2	2	0.81	0.81	0.86	0.82	0.90	1.00
X020167	BCG_0452	85	3	2	2	0.95	1.12	1.01	0.94	0.83	1.00
X020167	BCG_0457	583	14	9	9	1.05	1.12	1.10	1.02	1.07	1.00
X020167	BCG_0462C	242	8	4	4	1.09	1.01	1.00	0.98	1.03	1.00
X020167	BCG_0466C	62	2	2	2	0.93	0.84	0.82	0.99	0.94	1.00
X020167	BCG_0468C	133	3	2	2	1.03	0.87	1.04	0.90	1.05	1.00
X020167	BCG_0476C	139	3	3	3	0.90	0.88	0.92	0.89	1.10	1.00
X020167	BCG_0478C	155	3	2	2	1.36	1.07	0.99	1.21	1.13	1.00
X020167	BCG_0479	2178	85	27	53	0.89	0.88	1.13	1.03	1.14	1.00
X020167	BCG_0502	984	19	14	15	0.82	0.83	0.95	0.91	1.05	1.00
X020167	BCG_0504C	403	14	6	8	0.95	1.05	1.03	1.01	1.00	1.00
X020167	BCG_0505C	122	6	2	2	0.93	0.86	1.00	0.91	1.00	1.00

X020167	BCG_0506	116	4	2	2	1.57	1.42	1.31	1.45	1.16	1.00
X020167	BCG_0507	267	7	2	2	0.83	0.81	0.90	0.90	1.01	1.00
X020167	BCG_0508	608	10	8	8	0.92	0.96	1.10	1.00	1.05	1.00
X020167	BCG_0509	618	13	7	7	0.92	0.85	0.93	0.89	0.97	1.00
X020167	BCG_0510C	723	19	10	11	0.84	0.86	1.01	0.96	1.12	1.00
X020167	BCG_0513C	169	6	2	2	0.96	0.90	0.89	0.93	0.93	1.00
X020167	BCG_0516	572	14	10	10	1.50	0.85	0.89	0.75	0.87	1.00
X020167	BCG_0520C	327	7	6	6	1.62	0.90	1.19	1.13	1.27	1.00
X020167	BCG_0521C	159	4	2	2	0.93	0.85	0.90	0.85	0.90	1.00
X020167	BCG_0525C	217	5	2	2	0.98	1.07	0.98	1.11	0.98	1.00
X020167	BCG_0530	208	5	3	3	1.11	0.98	1.00	1.00	1.13	1.00
X020167	BCG_0531	247	8	5	5	0.85	1.07	0.94	0.92	0.80	1.00
X020167	BCG_0532	178	4	3	3	1.09	0.90	1.05	0.99	1.12	1.00
X020167	BCG_0537C	64	2	2	2	1.01	0.76	0.80	0.74	0.99	1.00
X020167	BCG_0540	283	6	5	5	1.12	1.00	1.06	0.90	1.01	1.00
X020167	BCG_0542	221	6	4	4	0.90	0.93	0.95	0.96	0.88	1.00
X020167	BCG_0543	161	3	2	2	1.49	1.56	1.32	1.10	1.24	1.00
X020167	BCG_0546C	342	9	6	6	1.01	1.02	1.01	1.02	1.14	1.00
X020167	BCG_0547C	118	4	4	4	0.93	0.95	0.96	0.94	1.02	1.00
X020167	BCG_0554	362	10	5	5	0.98	0.99	0.98	0.96	0.93	1.00
X020167	BCG_0555	332	8	6	6	1.04	0.99	1.00	1.07	1.03	1.00
X020167	BCG_0556	154	5	2	2	1.00	0.85	1.07	0.97	1.24	1.00
X020167	BCG_0566C	119	4	3	3	1.24	1.13	0.97	0.95	1.22	1.00
X020167	BCG_0567	209	8	4	4	0.85	0.81	0.84	0.89	0.80	1.00
X020167	BCG_0573	436	13	8	9	0.96	1.03	1.00	1.02	1.17	1.00
X020167	BCG_0592C	197	5	4	4	0.93	1.10	0.98	0.99	0.98	1.00
X020167	BCG_0599	122	5	2	2	1.13	1.25	1.08	1.03	0.98	1.00
X020167	BCG_0603	132	2	2	2	1.30	1.18	1.21	1.06	1.13	1.00
X020167	BCG_0607	194	5	3	3	1.39	1.01	1.12	1.04	1.02	1.00
X020167	BCG_0611C	230	7	4	4	0.87	0.85	0.99	0.89	1.04	1.00
X020167	BCG_0613	229	5	3	3	1.02	0.88	0.83	0.76	0.84	1.00
X020167	BCG_0614	99	3	2	2	1.14	1.14	1.22	1.07	1.01	1.00
X020167	BCG_0622	313	5	4	4	1.55	1.01	1.79	1.26	1.55	1.00
X020167	BCG_0625C	189	6	4	5	1.07	0.97	1.02	0.98	1.05	1.00
X020167	BCG_0660C	224	6	3	3	0.87	0.88	0.84	0.78	0.83	1.00
X020167	BCG_0680C	167	4	3	3	0.94	0.95	1.06	0.98	1.06	1.00
X020167	BCG_0681C	83	3	2	2	0.98	1.18	0.88	0.91	1.15	1.00
X020167	BCG_0683	95	7	3	4	0.77	0.96	0.99	1.02	0.99	1.00
X020167	BCG_0685	237	8	6	6	0.85	0.86	0.96	0.97	1.04	1.00
X020167	BCG_0686	168	6	4	4	1.04	1.02	1.07	1.05	0.99	1.00

X020167	BCG_0687	254	6	4	5	1.12	0.96	0.99	1.03	1.02	1.00
X020167	BCG_0688	267	8	6	6	1.01	1.02	1.03	0.96	1.43	1.00
X020167	BCG_0689	552	17	8	10	0.79	0.92	0.86	0.96	0.89	1.00
X020167	BCG_0690	951	29	17	19	0.86	0.90	0.90	0.98	0.90	1.00
X020167	BCG_0691C	152	5	4	4	1.00	1.00	1.03	1.01	1.08	1.00
X020167	BCG_0692C	92	4	2	2	1.39	1.11	0.96	1.18	1.07	1.00
X020167	BCG_0693C	156	5	4	4	0.98	0.99	1.02	1.07	1.00	1.00
X020167	BCG_0695C	224	7	4	4	0.93	1.06	0.87	1.02	0.93	1.00
X020167	BCG_0696C	212	8	3	3	1.27	0.77	0.85	1.21	0.86	1.00
X020167	BCG_0700	599	19	9	12	0.75	0.84	0.84	0.93	0.89	1.00
X020167	BCG_0701	353	19	6	14	0.72	0.79	0.89	0.95	0.89	1.00
X020167	BCG_0704	523	13	7	7	0.97	0.81	1.11	0.99	1.18	1.00
X020167	BCG_0712	283	10	4	4	1.02	0.99	1.12	1.04	1.15	1.00
X020167	BCG_0716	2314	65	36	42	1.02	0.90	1.04	1.01	1.10	1.00
X020167	BCG_0717	4106	106	71	80	0.97	0.82	0.97	0.93	1.11	1.00
X020167	BCG_0719	134	3	3	3	1.71	0.71	0.99	0.88	1.01	1.00
X020167	BCG_0724	189	5	3	3	0.98	0.86	0.94	0.81	0.87	1.00
X020167	BCG_0726C	232	5	4	4	0.95	1.03	1.03	1.04	1.18	1.00
X020167	BCG_0727	125	3	2	2	1.24	1.07	0.96	1.03	0.99	1.00
X020167	BCG_0731	126	10	4	7	0.83	0.73	0.91	0.76	1.07	1.00
X020167	BCG_0732	564	24	12	17	0.82	0.95	0.88	0.95	0.93	1.00
X020167	BCG_0733	1037	26	18	19	0.96	0.89	1.00	0.95	1.03	1.00
X020167	BCG_0734	1304	43	19	26	0.95	0.91	1.02	0.94	1.05	1.00
X020167	BCG_0737	128	3	3	3	0.97	0.83	1.04	0.87	1.08	1.00
X020167	BCG_0750	489	14	9	11	0.92	1.09	0.90	1.00	0.95	1.00
X020167	BCG_0751	692	24	14	21	0.97	0.99	0.97	1.04	0.97	1.00
X020167	BCG_0752	455	14	7	10	0.79	0.83	0.89	0.94	0.88	1.00
X020167	BCG_0753	470	13	6	7	0.74	0.79	0.94	0.91	0.91	1.00
X020167	BCG_0754	471	20	8	10	0.96	0.87	0.92	1.00	1.09	1.00
X020167	BCG_0755	324	13	6	10	0.86	0.81	0.97	0.97	0.85	1.00
X020167	BCG_0756	231	8	4	4	1.13	0.95	1.13	1.20	1.28	1.00
X020167	BCG_0757	1118	38	19	24	0.83	0.90	0.96	0.93	0.97	1.00
X020167	BCG_0758	239	14	5	5	0.85	0.87	1.09	0.99	1.11	1.00
X020167	BCG_0759	317	10	6	6	1.03	1.17	1.11	1.26	0.99	1.00
X020167	BCG_0760	442	17	7	10	0.79	0.86	0.87	0.92	0.86	1.00
X020167	BCG_0764	553	19	12	13	0.87	0.95	0.97	0.96	1.02	1.00
X020167	BCG_0765	253	9	6	7	0.79	0.85	1.05	0.93	0.99	1.00
X020167	BCG_0766	565	19	9	12	0.83	0.89	0.96	0.97	1.00	1.00
X020167	BCG_0768	414	17	8	9	0.92	1.02	0.92	1.01	0.93	1.00
X020167	BCG_0769	418	16	7	11	0.84	0.92	0.96	0.96	0.97	1.00

X020167	BCG_0770	185	5	4	4	1.04	1.17	1.09	1.13	0.96	1.00
X020167	BCG_0771	775	15	13	14	1.76	1.04	1.41	1.01	1.23	1.00
X020167	BCG_0772	128	7	2	3	1.08	0.75	1.42	0.90	0.97	1.00
X020167	BCG_0773	358	12	4	8	0.88	0.93	0.97	1.08	0.91	1.00
X020167	BCG_0774	191	3	3	3	1.15	0.96	1.06	1.04	1.04	1.00
X020167	BCG_0780	441	10	6	6	0.93	0.88	1.02	0.94	1.12	1.00
X020167	BCG_0781C	273	7	4	4	1.01	0.95	0.99	0.95	1.02	1.00
X020167	BCG_0782	297	10	6	6	1.05	0.97	1.13	1.01	1.03	1.00
X020167	BCG_0783	521	14	9	10	0.85	0.86	0.97	0.91	1.05	1.00
X020167	BCG_0804C	381	13	7	7	0.99	1.12	1.06	1.11	1.02	1.00
X020167	BCG_0809	327	7	4	4	0.99	0.93	0.96	0.99	1.06	1.00
X020167	BCG_0811C	105	3	2	2	1.07	1.06	0.94	1.08	0.97	1.00
X020167	BCG_0812C	168	3	3	3	0.97	0.88	1.01	1.01	1.14	1.00
X020167	BCG_0813C	507	18	8	9	0.80	0.87	0.97	0.94	1.03	1.00
X020167	BCG_0822	154	4	3	3	1.01	0.92	0.93	0.92	1.07	1.00
X020167	BCG_0824	510	14	8	8	0.87	0.95	0.80	1.10	0.78	1.00
X020167	BCG_0829	123	3	3	3	1.30	1.06	0.95	1.04	1.05	1.00
X020167	BCG_0831C	148	4	2	2	1.26	1.08	1.14	1.02	1.04	1.00
X020167	BCG_0835	344	8	6	6	1.15	1.12	1.01	0.93	0.97	1.00
X020167	BCG_0841	147	3	3	3	1.10	1.13	1.03	1.08	1.03	1.00
X020167	BCG_0850C	486	10	6	6	0.96	0.88	0.98	0.88	0.85	1.00
X020167	BCG_0855	85	3	2	2	1.25	1.34	1.14	1.38	1.22	1.00
X020167	BCG_0856	114	3	2	2	1.10	1.20	0.90	0.99	0.83	1.00
X020167	BCG_0858C	89	3	3	3	1.00	0.87	0.84	0.71	0.95	1.00
X020167	BCG_0861	192	6	3	3	0.84	0.79	0.96	0.95	1.00	1.00
X020167	BCG_0863C	129	3	2	2	0.94	0.81	0.85	0.91	1.12	1.00
X020167	BCG_0866C	196	7	2	2	0.92	1.15	1.10	1.12	1.09	1.00
X020167	BCG_0877C	595	17	11	13	0.90	0.83	0.98	0.91	1.06	1.00
X020167	BCG_0884C	467	12	6	6	1.17	1.26	1.19	1.10	1.18	1.00
X020167	BCG_0906	68	2	2	2	0.74	0.67	0.69	0.72	0.69	1.00
X020167	BCG_0911	374	9	5	6	0.87	0.95	1.11	1.06	1.15	1.00
X020167	BCG_0912	973	23	13	14	0.93	0.89	1.01	0.99	1.11	1.00
X020167	BCG_0923	351	12	6	8	0.76	0.84	0.81	0.86	0.84	1.00
X020167	BCG_0925	1037	26	18	19	0.89	0.90	0.97	0.99	1.02	1.00
X020167	BCG_0936C	168	5	4	4	0.88	0.90	1.01	0.93	1.10	1.00
X020167	BCG_0941C	103	3	2	2	1.13	0.77	0.92	0.78	0.86	1.00
X020167	BCG_0948	483	14	10	12	0.82	0.90	0.99	1.05	1.07	1.00
X020167	BCG_0955C	431	12	7	7	1.07	0.99	1.03	0.97	0.94	1.00
X020167	BCG_0957	419	10	7	8	0.92	0.93	0.94	0.89	1.05	1.00
X020167	BCG_0963	104	3	2	2	0.92	0.80	0.98	1.03	0.92	1.00

X020167	BCG_0977C	266	7	4	4	1.00	0.94	0.91	0.87	0.91	1.00
X020167	BCG_0978C	121	3	2	2	1.05	1.19	0.94	0.97	0.94	1.00
X020167	BCG_0980	513	11	8	8	0.91	0.92	0.97	0.90	1.00	1.00
X020167	BCG_0984C	95	3	2	2	0.93	0.79	0.90	0.88	0.93	1.00
X020167	BCG_0985C	222	7	4	4	0.77	0.86	0.97	0.90	0.98	1.00
X020167	BCG_0988	199	6	2	4	0.84	0.91	0.93	0.90	1.00	1.00
X020167	BCG_0994C	116	3	2	2	1.08	1.18	0.99	1.03	1.05	1.00
X020167	BCG_1000C	240	6	5	5	1.14	0.97	1.02	0.97	1.02	1.00
X020167	BCG_1005	691	19	12	14	0.95	0.86	0.99	0.90	1.00	1.00
X020167	BCG_1006	496	14	7	8	0.91	0.96	0.97	0.95	0.99	1.00
X020167	BCG_1011	101	3	2	2	1.07	0.95	0.93	0.89	0.96	1.00
X020167	BCG_1012	111	4	2	2	1.04	1.01	1.02	1.06	1.11	1.00
X020167	BCG_1022	132	5	3	3	1.26	1.09	1.07	1.09	1.05	1.00
X020167	BCG_1023	380	13	9	9	0.99	0.94	1.01	1.06	1.11	1.00
X020167	BCG_1034	75	3	2	2	1.37	0.95	1.48	1.15	1.54	1.00
X020167	BCG_1039	466	7	6	6	1.08	1.02	0.99	0.90	1.06	1.00
X020167	BCG_1049	141	4	4	4	1.01	1.08	1.08	0.93	1.06	1.00
X020167	BCG_1050	160	5	3	3	1.33	1.29	1.18	1.14	1.16	1.00
X020167	BCG_1064C	260	7	2	2	1.15	1.23	0.96	1.00	1.03	1.00
X020167	BCG_1067	447	12	9	9	1.19	0.89	0.97	0.91	0.95	1.00
X020167	BCG_1072C	244	7	4	4	0.86	0.91	0.93	0.92	0.91	1.00
X020167	BCG_1074C	547	16	8	9	0.94	1.02	0.99	1.01	1.07	1.00
X020167	BCG_1075C	132	3	2	2	0.79	0.92	0.87	0.87	0.84	1.00
X020167	BCG_1080	495	10	8	8	0.87	0.89	1.06	1.11	1.10	1.00
X020167	BCG_1116	78	3	2	2	1.17	1.17	1.04	1.21	1.15	1.00
X020167	BCG_1118	140	3	3	3	1.35	1.18	1.03	0.98	1.30	1.00
X020167	BCG_1128C	444	12	7	8	0.94	1.01	0.98	1.02	1.02	1.00
X020167	BCG_1129C	222	5	3	3	1.06	1.03	1.02	1.04	1.01	1.00
X020167	BCG_1132C	370	7	6	6	1.02	0.91	1.00	0.94	1.14	1.00
X020167	BCG_1135	228	4	3	3	1.01	1.09	1.05	1.04	1.14	1.00
X020167	BCG_1136	271	10	4	7	1.02	1.06	1.05	1.09	1.04	1.00
X020167	BCG_1138C	518	10	8	8	0.87	0.95	1.03	1.03	1.05	1.00
X020167	BCG_1140	267	6	4	4	1.00	0.90	0.88	0.96	0.99	1.00
X020167	BCG_1153	577	15	9	9	0.89	0.84	1.02	0.92	1.04	1.00
X020167	BCG_1154	765	15	10	10	1.12	1.00	1.03	1.00	1.16	1.00
X020167	BCG_1158C	642	16	14	14	0.93	0.92	1.01	0.96	1.05	1.00
X020167	BCG_1159C	330	9	5	5	0.93	1.11	1.01	1.02	1.01	1.00
X020167	BCG_1166C	69	2	2	2	0.96	0.92	1.11	0.80	0.88	1.00
X020167	BCG_1169C	454	10	7	8	1.04	0.98	1.03	1.02	1.07	1.00
X020167	BCG_1179C	145	6	2	2	1.60	1.01	1.44	0.89	1.13	1.00

X020167	BCG_1182	137	5	4	4	1.30	1.23	1.06	1.12	1.19	1.00
X020167	BCG_1183	328	11	6	6	0.93	1.01	0.97	0.99	1.01	1.00
X020167	BCG_1194C	1747	44	31	35	1.07	1.00	1.07	1.01	1.11	1.00
X020167	BCG_1206	294	6	4	4	1.24	1.13	1.08	1.07	1.04	1.00
X020167	BCG_1217	88	4	3	3	1.14	0.92	0.93	0.94	0.93	1.00
X020167	BCG_1221C	120	5	3	4	0.90	0.83	0.78	0.94	0.86	1.00
X020167	BCG_1241	158	3	3	3	0.85	0.90	0.85	0.90	0.88	1.00
X020167	BCG_1252	389	8	6	6	1.06	1.03	0.98	0.99	1.12	1.00
X020167	BCG_1253	105	2	2	2	1.21	0.89	1.06	0.90	0.98	1.00
X020167	BCG_1261C	327	7	6	6	1.03	1.13	0.98	1.00	1.06	1.00
X020167	BCG_1266	135	7	2	2	1.07	0.86	0.99	1.06	1.26	1.00
X020167	BCG_1278C	198	7	4	4	1.10	0.92	0.89	0.97	0.98	1.00
X020167	BCG_1283	937	15	13	13	0.91	1.03	1.06	1.03	1.04	1.00
X020167	BCG_1289C	191	5	4	4	1.08	1.07	1.01	1.10	1.17	1.00
X020167	BCG_1294	114	4	2	2	0.94	0.84	1.01	1.02	1.15	1.00
X020167	BCG_1298	135	3	2	2	1.43	1.19	1.22	1.18	1.14	1.00
X020167	BCG_1300	783	15	11	11	1.02	1.01	1.00	0.98	1.11	1.00
X020167	BCG_1305C	351	7	4	5	0.99	0.88	0.99	0.94	1.04	1.00
X020167	BCG_1308C	1261	37	18	18	0.98	0.90	1.08	1.07	1.10	1.00
X020167	BCG_1313	372	9	4	4	0.98	0.98	0.86	1.01	0.96	1.00
X020167	BCG_1320C	105	2	2	2	1.05	0.98	1.14	0.96	1.14	1.00
X020167	BCG_1322	92	4	2	2	1.34	1.31	1.04	1.00	1.23	1.00
X020167	BCG_1324	175	5	4	5	0.80	0.96	0.83	0.97	0.89	1.00
X020167	BCG_1329C	369	8	7	7	0.90	0.97	0.94	0.96	1.01	1.00
X020167	BCG_1333	83	3	2	2	1.01	0.98	1.00	0.93	0.99	1.00
X020167	BCG_1334	478	11	9	9	0.85	0.95	0.95	0.95	1.03	1.00
X020167	BCG_1338	170	8	3	3	1.23	1.15	1.05	1.01	1.05	1.00
X020167	BCG_1340C	210	7	3	3	1.13	0.92	0.93	0.98	1.06	1.00
X020167	BCG_1342C	203	6	4	4	0.94	0.97	1.04	1.04	1.02	1.00
X020167	BCG_1352	224	8	2	2	1.03	0.95	0.94	0.86	0.98	1.00
X020167	BCG_1354	536	12	10	10	0.97	1.10	1.06	1.07	1.02	1.00
X020167	BCG_1355	313	7	3	3	1.04	0.96	0.97	0.99	1.07	1.00
X020167	BCG_1357	1433	38	26	29	1.06	1.09	1.10	1.09	1.13	1.00
X020167	BCG_1358	127	3	3	3	0.75	0.99	0.91	0.92	0.96	1.00
X020167	BCG_1367	854	20	15	15	0.94	0.96	1.05	1.05	1.05	1.00
X020167	BCG_1368	1102	31	23	26	0.90	0.89	1.07	1.01	1.12	1.00
X020167	BCG_1369	571	15	9	9	1.03	1.08	0.96	1.03	1.05	1.00
X020167	BCG_1370	1105	31	16	21	0.95	1.07	0.99	1.02	1.19	1.00
X020167	BCG_1371	260	6	4	4	1.03	1.04	0.94	1.02	1.01	1.00
X020167	BCG_1385	553	12	8	8	1.07	1.05	1.09	0.99	0.96	1.00

X020167	BCG_1386	515	9	5	5	1.30	1.05	1.18	1.03	1.20	1.00
X020167	BCG_1389C	897	24	17	18	0.90	0.95	0.85	1.01	0.98	1.00
X020167	BCG_1397	88	3	2	2	1.02	0.96	0.97	1.03	0.94	1.00
X020167	BCG_1402	79	3	2	2	1.35	1.17	1.05	1.33	1.05	1.00
X020167	BCG_1425C	147	5	5	5	0.84	1.08	0.94	0.95	0.96	1.00
X020167	BCG_1429C	160	5	3	3	0.98	0.90	1.04	1.03	1.14	1.00
X020167	BCG_1438C	54	2	2	2	1.11	1.13	0.99	0.90	0.97	1.00
X020167	BCG_1441	127	4	2	2	0.95	0.86	0.93	0.95	1.18	1.00
X020167	BCG_1444	172	4	2	2	1.06	1.08	1.01	0.97	1.07	1.00
X020167	BCG_1449	385	13	7	10	1.67	0.88	1.17	0.95	0.97	1.00
X020167	BCG_1452	232	7	5	5	1.03	1.00	1.01	1.01	0.99	1.00
X020167	BCG_1453	614	16	11	13	1.01	1.02	1.06	1.11	1.06	1.00
X020167	BCG_1458C	44	2	2	2	0.98	0.92	0.98	1.24	0.95	1.00
X020167	BCG_1465	145	2	2	2	1.02	0.98	1.05	0.94	1.12	1.00
X020167	BCG_1472C	457	9	8	8	0.90	0.93	1.01	0.91	0.98	1.00
X020167	BCG_1473	253	6	4	4	0.85	0.76	0.82	0.81	0.96	1.00
X020167	BCG_1477	198	4	3	3	1.13	1.06	1.01	1.04	1.04	1.00
X020167	BCG_1484	303	7	3	3	1.70	1.88	1.10	1.06	1.09	1.00
X020167	BCG_1497	563	12	7	8	0.91	0.82	1.00	0.92	1.09	1.00
X020167	BCG_1498	308	7	3	3	0.91	0.83	0.94	0.84	1.16	1.00
X020167	BCG_1499	303	8	5	5	0.95	0.93	0.93	0.92	1.08	1.00
X020167	BCG_1507C	360	9	3	3	1.03	1.20	1.06	0.98	1.04	1.00
X020167	BCG_1508C	136	5	2	2	1.14	0.87	1.07	0.97	1.06	1.00
X020167	BCG_1509C	434	11	9	9	0.88	0.99	1.00	0.92	1.05	1.00
X020167	BCG_1510C	685	17	10	10	0.94	0.90	1.03	0.99	1.09	1.00
X020167	BCG_1515C	204	4	3	3	0.92	0.74	0.92	0.81	0.96	1.00
X020167	BCG_1522	213	7	5	5	0.95	0.93	1.01	1.00	1.07	1.00
X020167	BCG_1523	258	8	5	5	0.79	0.81	0.72	0.76	0.76	1.00
X020167	BCG_1524	542	11	8	8	0.90	0.90	1.01	0.94	1.09	1.00
X020167	BCG_1525	289	7	4	4	1.10	0.94	1.01	0.93	1.04	1.00
X020167	BCG_1526	163	3	2	2	0.98	0.98	0.97	1.01	1.03	1.00
X020167	BCG_1527	247	4	3	3	1.09	1.27	1.15	1.18	1.09	1.00
X020167	BCG_1532	104	2	2	2	0.86	0.93	0.87	0.92	0.97	1.00
X020167	BCG_1537C	1051	29	17	17	1.14	0.95	1.04	0.98	1.03	1.00
X020167	BCG_1541	698	22	14	19	0.94	0.90	0.99	0.96	1.07	1.00
X020167	BCG_1542	180	5	4	4	1.19	1.05	1.00	1.01	0.99	1.00
X020167	BCG_1543	220	7	3	3	1.01	1.01	0.95	0.98	1.01	1.00
X020167	BCG_1545	339	9	6	7	1.02	1.04	0.94	1.06	0.97	1.00
X020167	BCG_1546	477	15	7	9	0.79	0.93	0.79	0.96	0.86	1.00
X020167	BCG_1550	1098	25	16	17	0.86	0.90	1.08	1.00	1.08	1.00

X020167	BCG_1551	45	2	2	2	1.29	1.26	1.21	1.28	1.30	1.00
X020167	BCG_1555	147	4	2	2	1.11	1.32	1.19	1.09	1.10	1.00
X020167	BCG_1556	373	7	2	2	0.87	0.75	0.92	0.72	1.20	1.00
X020167	BCG_1579C	641	22	8	8	1.27	1.01	1.08	1.51	1.06	1.00
X020167	BCG_1595	934	20	13	13	0.91	0.94	1.08	0.99	1.05	1.00
X020167	BCG_1610	401	8	5	5	1.11	1.10	1.06	0.99	1.04	1.00
X020167	BCG_1624	339	8	6	6	0.82	0.84	0.85	0.89	0.91	1.00
X020167	BCG_1634	95	4	2	2	0.88	0.87	0.89	0.91	0.96	1.00
X020167	BCG_1636C	268	6	3	3	1.19	1.09	0.92	1.00	0.86	1.00
X020167	BCG_1639	101	3	3	3	0.86	0.90	0.90	0.92	0.92	1.00
X020167	BCG_1641	299	7	5	5	1.06	0.99	0.90	1.02	1.03	1.00
X020167	BCG_1643	182	5	3	3	0.90	0.86	0.92	0.93	1.00	1.00
X020167	BCG_1649	442	10	8	8	1.11	1.01	1.00	0.97	0.99	1.00
X020167	BCG_1650	408	10	5	6	1.05	1.03	0.97	1.05	0.97	1.00
X020167	BCG_1651	377	9	7	7	0.95	0.91	0.96	0.89	1.03	1.00
X020167	BCG_1652	263	6	4	4	1.12	1.12	0.94	0.99	0.91	1.00
X020167	BCG_1655	524	14	7	8	0.93	0.82	1.00	0.91	1.02	1.00
X020167	BCG_1664	357	7	7	7	1.00	0.82	0.95	0.90	1.07	1.00
X020167	BCG_1668	1817	70	33	51	0.74	0.89	0.87	0.96	0.87	1.00
X020167	BCG_1674	659	13	9	9	0.96	0.99	1.04	0.97	1.13	1.00
X020167	BCG_1675C	123	3	2	2	0.71	0.78	0.85	1.02	0.93	1.00
X020167	BCG_1676	966	23	17	17	0.95	0.84	0.90	0.86	0.99	1.00
X020167	BCG_1680	512	14	10	10	1.34	0.92	1.14	0.87	0.96	1.00
X020167	BCG_1681	101	7	2	3	0.74	1.01	1.09	1.13	0.85	1.00
X020167	BCG_1682	268	11	5	6	0.72	0.81	0.84	0.91	0.89	1.00
X020167	BCG_1688	160	4	2	2	0.96	1.03	1.01	0.98	1.11	1.00
X020167	BCG_1689	230	8	4	4	1.00	1.12	0.97	1.13	0.95	1.00
X020167	BCG_1691	242	5	3	3	0.91	0.75	0.90	0.87	0.97	1.00
X020167	BCG_1693	108	4	2	3	0.96	0.87	0.96	0.93	1.05	1.00
X020167	BCG_1694	113	3	2	2	1.15	0.86	0.83	0.88	0.84	1.00
X020167	BCG_1695	72	4	2	2	1.10	0.78	0.87	0.76	0.94	1.00
X020167	BCG_1697	315	7	6	6	0.90	0.87	1.00	0.97	1.06	1.00
X020167	BCG_1721	343	10	4	4	1.05	0.88	0.88	0.91	1.03	1.00
X020167	BCG_1729	500	12	7	7	0.91	1.16	0.82	1.19	1.27	1.00
X020167	BCG_1741C	296	9	6	6	1.08	0.95	1.07	0.94	1.07	1.00
X020167	BCG_1747	176	7	2	2	0.85	0.87	0.92	0.92	0.95	1.00
X020167	BCG_1750	272	8	4	6	0.87	1.00	0.89	0.97	0.92	1.00
X020167	BCG_1770	391	11	7	7	0.97	0.99	0.99	1.05	1.14	1.00
X020167	BCG_1771C	195	4	4	4	0.85	0.86	0.99	0.97	1.01	1.00
X020167	BCG_1777	147	3	3	3	0.96	0.92	0.96	0.96	1.05	1.00

X020167	BCG_1790	196	7	4	4	1.09	1.05	0.99	0.99	1.07	1.00
X020167	BCG_1803C	283	10	7	8	0.87	1.05	1.01	0.95	1.05	1.00
X020167	BCG_1807	537	13	9	9	0.94	0.96	1.00	0.91	1.05	1.00
X020167	BCG_1812C	1183	31	20	21	0.95	0.99	1.02	1.04	1.05	1.00
X020167	BCG_1813	368	8	5	5	0.95	0.89	0.85	0.94	0.96	1.00
X020167	BCG_1815	268	6	4	4	1.03	0.93	0.91	1.02	1.10	1.00
X020167	BCG_1816	352	9	6	6	1.02	0.90	0.98	0.96	1.10	1.00
X020167	BCG_1826	380	7	6	6	0.90	0.82	0.92	0.79	1.04	1.00
X020167	BCG_1827	232	6	3	3	0.83	0.86	0.89	0.99	0.84	1.00
X020167	BCG_1830	70	4	2	2	1.07	1.09	0.93	0.92	0.83	1.00
X020167	BCG_1854C	268	8	6	6	1.18	1.12	1.13	1.12	1.12	1.00
X020167	BCG_1856	296	8	4	4	0.98	0.88	1.00	0.94	1.09	1.00
X020167	BCG_1862	408	11	4	6	1.03	0.96	1.02	1.01	1.14	1.00
X020167	BCG_1864	121	4	3	3	1.12	1.06	1.08	1.09	1.06	1.00
X020167	BCG_1868C	174	9	4	4	1.13	0.97	1.08	1.02	1.10	1.00
X020167	BCG_1871C	514	9	6	6	0.99	1.01	1.08	1.02	1.02	1.00
X020167	BCG_1872C	1051	31	19	21	1.00	0.91	1.01	0.93	1.05	1.00
X020167	BCG_1879C	167	6	3	3	0.99	0.91	0.95	0.93	1.00	1.00
X020167	BCG_1888	181	4	2	2	0.81	0.84	0.88	0.88	1.01	1.00
X020167	BCG_1890C	486	11	7	7	0.91	0.84	0.87	0.84	0.97	1.00
X020167	BCG_1891C	447	11	9	9	0.93	0.88	0.86	0.91	0.91	1.00
X020167	BCG_1901C	169	3	3	3	1.11	1.00	1.09	1.03	0.97	1.00
X020167	BCG_1905C	436	10	5	5	1.19	1.00	1.03	0.98	1.02	1.00
X020167	BCG_1908C	1029	29	17	20	1.01	0.83	0.92	0.80	1.16	1.00
X020167	BCG_1911	107	3	2	2	0.93	0.88	0.90	0.94	0.96	1.00
X020167	BCG_1912	346	10	7	8	0.78	0.87	0.82	0.79	0.88	1.00
X020167	BCG_1920C	148	3	2	2	1.48	1.33	1.10	1.12	1.29	1.00
X020167	BCG_1925C	157	5	2	2	1.13	1.08	1.06	0.94	1.19	1.00
X020167	BCG_1947C	1134	24	19	21	0.91	0.84	1.00	0.97	1.08	1.00
X020167	BCG_1951C	352	17	6	7	1.40	0.98	1.28	0.93	1.05	1.00
X020167	BCG_1954	1251	34	24	24	0.99	1.02	1.09	1.05	1.12	1.00
X020167	BCG_1958C	300	9	5	5	1.20	1.13	1.01	0.98	1.07	1.00
X020167	BCG_1963C	178	7	4	4	0.94	1.18	1.10	1.16	1.07	1.00
X020167	BCG_1964	548	14	7	7	0.90	0.94	0.93	0.94	1.12	1.00
X020167	BCG_1968C	348	10	7	8	1.05	0.95	0.95	1.01	1.00	1.00
X020167	BCG_1971	332	6	4	4	0.91	0.86	1.03	0.98	1.07	1.00
X020167	BCG_2010C	109	4	2	2	1.11	0.92	1.03	1.10	1.18	1.00
X020167	BCG_2019	201	5	3	3	0.94	0.88	0.96	0.88	0.95	1.00
X020167	BCG_2022C	84	2	2	2	0.77	0.79	0.91	0.91	1.06	1.00
X020167	BCG_2035	83	3	2	2	1.09	1.00	1.09	1.07	1.04	1.00

X020167	BCG_2050C	352	14	7	8	0.92	0.86	1.03	0.96	1.08	1.00
X020167	BCG_2067C	909	24	16	16	0.95	0.87	0.94	0.89	0.91	1.00
X020167	BCG_2068C	133	2	2	2	1.53	1.17	1.47	1.11	1.15	1.00
X020167	BCG_2069	227	6	3	4	1.54	0.92	1.00	1.15	1.15	1.00
X020167	BCG_2070C	359	10	7	7	0.91	0.93	0.95	0.91	1.02	1.00
X020167	BCG_2073	640	18	11	12	1.41	1.03	1.04	0.91	1.13	1.00
X020167	BCG_2080C	110	3	3	3	1.06	1.13	1.02	1.03	1.12	1.00
X020167	BCG_2111C	299	7	5	5	0.79	1.04	0.95	0.90	1.10	1.00
X020167	BCG_2112C	747	21	15	15	1.03	1.11	0.94	1.07	0.93	1.00
X020167	BCG_2114C	150	3	3	3	0.73	0.72	0.88	0.86	1.01	1.00
X020167	BCG_2117C	648	17	11	12	0.97	0.90	1.03	0.97	1.04	1.00
X020167	BCG_2126C	221	6	3	3	0.97	0.94	1.11	1.00	1.17	1.00
X020167	BCG_2127C	433	9	8	8	0.86	0.95	1.06	1.02	1.10	1.00
X020167	BCG_2128C	245	5	4	4	0.76	0.93	0.96	1.09	1.04	1.00
X020167	BCG_2129C	93	4	2	2	1.22	1.14	0.95	1.07	1.06	1.00
X020167	BCG_2132C	661	22	11	11	0.95	0.92	0.96	1.02	0.97	1.00
X020167	BCG_2135C	449	12	9	9	0.97	0.92	0.87	1.11	1.03	1.00
X020167	BCG_2146C	189	7	2	2	1.06	1.15	0.88	0.97	0.91	1.00
X020167	BCG_2147C	174	6	3	3	1.15	1.26	1.06	1.02	1.03	1.00
X020167	BCG_2150C	419	9	5	5	0.95	1.01	0.76	1.02	0.79	1.00
X020167	BCG_2157C	183	4	2	2	0.96	0.96	0.79	1.02	0.91	1.00
X020167	BCG_2158C	145	5	3	3	1.07	0.98	0.87	0.91	1.00	1.00
X020167	BCG_2162C	1035	34	16	21	0.92	1.17	1.07	1.24	1.08	1.00
X020167	BCG_2163C	46	2	2	2	1.21	1.06	1.16	1.07	0.99	1.00
X020167	BCG_2167C	361	7	5	5	0.92	0.85	0.88	0.83	0.92	1.00
X020167	BCG_2168C	347	9	6	6	1.24	0.92	0.97	0.96	1.01	1.00
X020167	BCG_2170C	120	3	3	3	1.06	1.16	0.99	1.05	1.00	1.00
X020167	BCG_2172C	121	3	2	2	1.16	1.14	0.94	1.03	0.90	1.00
X020167	BCG_2182C	108	3	3	3	1.88	1.26	1.17	1.11	1.00	1.00
X020167	BCG_2183C	246	7	5	5	0.70	0.68	0.77	0.72	0.90	1.00
X020167	BCG_2187C	341	7	4	4	0.97	1.07	0.93	0.90	1.01	1.00
X020167	BCG_2190C	114	5	3	3	0.97	1.25	0.99	1.25	0.87	1.00
X020167	BCG_2193C	485	12	8	8	0.99	0.98	1.04	1.08	1.11	1.00
X020167	BCG_2200C	480	15	8	11	0.80	0.81	0.92	0.83	1.04	1.00
X020167	BCG_2204C	145	4	2	2	1.31	1.08	1.07	0.99	0.95	1.00
X020167	BCG_2210	161	5	4	4	0.89	0.83	0.97	0.91	1.01	1.00
X020167	BCG_2211	577	12	9	9	1.06	0.95	0.99	1.03	1.06	1.00
X020167	BCG_2212	190	7	5	6	0.98	0.93	1.01	1.06	1.09	1.00
X020167	BCG_2214C	80	2	2	2	0.96	0.78	0.92	0.90	0.97	1.00
X020167	BCG_2216C	482	13	8	8	0.89	0.95	0.99	1.12	1.05	1.00

X020167	BCG_2217	143	6	2	2	1.09	0.87	1.09	0.90	1.12	1.00
X020167	BCG_2218C	421	11	7	7	1.09	1.35	1.06	1.30	1.08	1.00
X020167	BCG_2219	136	3	2	2	0.80	0.91	0.95	0.91	0.95	1.00
X020167	BCG_2220C	337	9	5	6	0.91	0.97	1.06	1.27	1.15	1.00
X020167	BCG_2226C	260	6	5	5	0.91	0.90	0.98	0.88	0.98	1.00
X020167	BCG_2227C	226	6	4	5	0.91	0.85	0.97	1.26	1.06	1.00
X020167	BCG_2230C	413	11	5	5	1.05	0.98	0.98	0.96	1.09	1.00
X020167	BCG_2231	984	23	15	17	0.91	0.88	1.09	1.07	1.13	1.00
X020167	BCG_2235	424	9	7	7	0.95	0.74	0.82	0.75	0.97	1.00
X020167	BCG_2239C	449	16	6	8	0.92	1.11	0.86	1.02	0.88	1.00
X020167	BCG_2241C	289	8	6	6	0.92	0.92	1.00	0.98	1.06	1.00
X020167	BCG_2243	492	11	8	8	0.86	0.76	1.08	0.79	1.00	1.00
X020167	BCG_2254	95	3	2	2	1.02	0.82	0.88	0.88	0.99	1.00
X020167	BCG_2255C	151	4	3	3	1.12	1.00	1.11	1.06	1.18	1.00
X020167	BCG_2258	352	14	9	9	1.10	0.98	1.10	1.08	1.23	1.00
X020167	BCG_2260	70	3	2	2	1.54	1.14	1.03	1.13	0.83	1.00
X020167	BCG_2261	347	9	5	6	0.96	0.93	0.99	1.07	1.10	1.00
X020167	BCG_2262	151	7	3	3	0.84	0.82	0.97	0.95	1.05	1.00
X020167	BCG_2263	429	11	8	8	1.07	1.01	1.02	0.99	1.06	1.00
X020167	BCG_2264	574	12	8	8	1.12	1.06	1.11	1.00	1.12	1.00
X020167	BCG_2276C	309	6	5	5	1.00	1.00	0.98	0.90	1.01	1.00
X020167	BCG_2280	53	3	2	2	1.72	1.18	1.25	1.22	1.33	1.00
X020167	BCG_2295	404	9	8	8	0.97	0.99	0.95	0.97	0.98	1.00
X020167	BCG_2299	229	7	3	3	1.02	1.10	0.96	1.14	0.94	1.00
X020167	BCG_2305	206	8	2	2	0.91	0.89	0.99	1.00	1.12	1.00
X020167	BCG_2312	344	8	7	7	1.15	0.95	0.98	0.95	1.18	1.00
X020167	BCG_2314	715	13	13	13	0.92	0.95	1.11	0.99	1.21	1.00
X020167	BCG_2315C	866	21	14	14	0.99	0.93	1.01	0.94	1.03	1.00
X020167	BCG_2356	444	9	8	8	0.87	0.89	0.95	0.94	0.97	1.00
X020167	BCG_2368	481	13	9	9	0.98	1.01	0.96	0.95	0.96	1.00
X020167	BCG_2371C	189	6	3	3	1.02	1.00	1.03	0.94	1.05	1.00
X020167	BCG_2372	83	2	2	2	1.21	1.02	0.92	0.97	1.05	1.00
X020167	BCG_2377	603	10	7	7	1.08	0.94	0.91	0.94	1.08	1.00
X020167	BCG_2380C	119	2	2	2	1.11	0.94	0.97	1.04	1.05	1.00
X020167	BCG_2387C	390	11	10	10	0.86	0.97	0.92	0.96	0.98	1.00
X020167	BCG_2401	128	3	2	2	0.98	0.87	0.97	0.94	1.14	1.00
X020167	BCG_2405	384	13	6	6	1.10	1.05	0.98	1.03	0.97	1.00
X020167	BCG_2412C	38	2	2	2	1.18	0.95	1.13	1.00	1.04	1.00
X020167	BCG_2415C	123	3	2	2	1.11	1.02	0.90	1.09	1.10	1.00
X020167	BCG_2418	215	7	4	4	0.79	0.89	0.96	0.90	1.15	1.00

X020167	BCG_2428	247	10	5	7	0.91	1.02	0.90	1.01	0.84	1.00
X020167	BCG_2432C	107	4	2	2	0.99	0.83	0.91	0.93	0.95	1.00
X020167	BCG_2436C	199	6	3	3	0.87	0.93	0.91	0.99	0.88	1.00
X020167	BCG_2444C	209	8	4	4	1.34	0.97	1.04	0.94	1.05	1.00
X020167	BCG_2447	531	14	10	12	1.00	0.98	1.09	0.99	1.16	1.00
X020167	BCG_2457C	294	10	6	6	1.04	0.98	1.01	0.98	0.91	1.00
X020167	BCG_2460C	60	2	2	2	1.24	0.96	1.03	1.07	1.03	1.00
X020167	BCG_2461C	183	5	5	5	0.94	0.95	1.11	1.10	0.91	1.00
X020167	BCG_2462C	283	8	5	7	0.87	0.84	1.00	0.91	0.92	1.00
X020167	BCG_2464C	1389	33	21	21	1.13	1.02	1.15	1.10	1.17	1.00
X020167	BCG_2465C	284	6	5	5	0.93	0.95	1.01	0.93	1.02	1.00
X020167	BCG_2469C	274	6	4	4	1.04	0.95	1.06	0.98	1.02	1.00
X020167	BCG_2474C	332	8	6	6	1.27	1.07	1.07	1.09	1.10	1.00
X020167	BCG_2475C	136	4	3	3	0.98	1.03	1.04	0.98	1.02	1.00
X020167	BCG_2477C	378	10	5	5	0.90	0.87	1.01	0.93	1.10	1.00
X020167	BCG_2480C	163	10	3	3	0.82	0.80	0.89	0.91	1.03	1.00
X020167	BCG_2481C	527	10	6	7	1.07	1.09	1.04	0.97	0.97	1.00
X020167	BCG_2482C	552	13	5	5	1.01	0.99	1.08	1.03	1.03	1.00
X020167	BCG_2485C	241	5	5	5	1.10	1.10	1.04	1.05	1.00	1.00
X020167	BCG_2487	290	9	5	5	1.13	1.06	1.03	1.12	0.96	1.00
X020167	BCG_2496C	1974	46	33	33	1.00	0.96	1.02	1.10	1.09	1.00
X020167	BCG_2497C	658	17	11	11	0.89	0.89	1.00	0.95	1.05	1.00
X020167	BCG_2500C	242	7	2	2	1.28	0.97	0.94	0.95	1.00	1.00
X020167	BCG_2501C	175	6	2	2	1.95	0.96	1.08	0.86	1.07	1.00
X020167	BCG_2515C	601	16	10	10	0.98	0.99	1.05	1.05	1.07	1.00
X020167	BCG_2517C	204	5	2	2	1.09	0.95	1.04	1.00	1.13	1.00
X020167	BCG_2518C	447	7	6	6	0.94	0.91	0.86	0.90	0.90	1.00
X020167	BCG_2521C	1944	53	33	39	0.85	0.95	0.82	1.07	0.88	1.00
X020167	BCG_2522C	1503	36	23	28	0.89	0.98	0.77	1.07	0.90	1.00
X020167	BCG_2529	254	7	4	4	0.94	0.93	1.10	0.92	1.20	1.00
X020167	BCG_2541C	197	8	5	6	0.83	0.92	0.87	0.97	0.98	1.00
X020167	BCG_2542	200	5	3	3	1.01	0.85	0.99	0.93	1.12	1.00
X020167	BCG_2545C	3924	100	63	66	0.99	0.89	0.97	0.94	1.06	1.00
X020167	BCG_2550	355	8	7	7	1.14	0.98	1.00	1.03	1.04	1.00
X020167	BCG_2555C	61	2	2	2	0.88	0.78	0.91	0.94	0.99	1.00
X020167	BCG_2556C	78	5	3	3	1.03	0.92	1.05	0.95	1.02	1.00
X020167	BCG_2557C	383	10	4	5	1.04	0.96	1.03	0.93	1.11	1.00
X020167	BCG_2558	224	7	4	4	0.94	1.01	1.02	1.00	1.00	1.00
X020167	BCG_2560C	69	2	2	2	0.91	1.06	0.94	0.95	0.86	1.00
X020167	BCG_2561C	134	2	2	2	2.09	0.87	1.14	0.87	0.90	1.00

X020167	BCG_2576C	389	10	6	7	0.95	0.81	1.02	0.94	1.03	1.00
X020167	BCG_2578C	865	19	12	12	1.06	0.99	1.05	1.06	1.05	1.00
X020167	BCG_2585	559	11	7	8	0.98	0.95	1.03	1.02	1.05	1.00
X020167	BCG_2586	322	7	5	5	0.87	1.06	0.94	0.98	0.84	1.00
X020167	BCG_2594C	147	4	3	3	0.86	0.91	0.86	0.93	0.94	1.00
X020167	BCG_2597	254	8	5	5	1.07	1.09	0.98	1.05	1.07	1.00
X020167	BCG_2598	167	4	2	2	0.90	0.92	0.94	1.06	1.06	1.00
X020167	BCG_2602	127	5	3	3	1.08	1.16	1.02	0.98	1.01	1.00
X020167	BCG_2605	124	4	2	2	0.95	1.04	0.94	1.05	0.85	1.00
X020167	BCG_2607C	535	9	6	6	0.79	0.80	0.96	0.92	0.97	1.00
X020167	BCG_2609C	306	7	7	7	1.08	0.84	0.93	0.91	1.04	1.00
X020167	BCG_2610C	276	9	6	6	1.01	1.12	1.02	1.07	1.06	1.00
X020167	BCG_2611C	91	2	2	2	0.88	1.12	1.00	1.04	1.13	1.00
X020167	BCG_2616C	319	8	6	6	1.23	0.79	0.92	0.85	0.95	1.00
X020167	BCG_2628C	179	4	3	3	0.78	0.79	0.94	0.86	1.06	1.00
X020167	BCG_2631C	521	13	8	11	0.94	0.96	1.08	1.02	1.07	1.00
X020167	BCG_2639C	108	4	2	2	1.08	0.92	1.02	0.98	0.88	1.00
X020167	BCG_2646C	158	5	2	3	0.86	1.03	0.97	0.92	0.92	1.00
X020167	BCG_2649	655	18	10	11	1.17	1.09	1.16	1.12	1.11	1.00
X020167	BCG_2650	312	9	7	7	1.10	1.07	1.06	1.03	1.03	1.00
X020167	BCG_2653C	185	4	3	4	1.00	0.93	1.07	1.03	1.04	1.00
X020167	BCG_2654C	91	3	3	3	0.93	1.12	0.82	1.04	0.88	1.00
X020167	BCG_2656	135	3	3	3	1.09	0.95	0.87	0.94	0.96	1.00
X020167	BCG_2684	860	27	11	14	0.83	1.07	0.82	1.04	0.85	1.00
X020167	BCG_2685	254	9	5	5	1.06	1.06	1.05	1.13	1.10	1.00
X020167	BCG_2687	78	3	2	2	1.21	1.10	1.14	1.12	1.11	1.00
X020167	BCG_2692	163	3	3	3	1.30	1.36	1.15	1.30	1.03	1.00
X020167	BCG_2696	119	3	2	2	1.46	1.10	1.77	1.03	1.23	1.00
X020167	BCG_2702C	206	6	3	3	0.98	0.88	0.95	0.90	0.98	1.00
X020167	BCG_2704	129	5	2	2	1.08	1.05	0.98	0.98	0.91	1.00
X020167	BCG_2710C	72	2	2	2	1.27	1.08	1.07	1.21	1.06	1.00
X020167	BCG_2713	70	4	2	2	1.02	1.06	0.93	1.18	0.87	1.00
X020167	BCG_2715	269	6	4	4	0.91	0.95	0.92	0.92	0.88	1.00
X020167	BCG_2716	687	17	10	10	1.63	0.97	1.08	1.02	1.14	1.00
X020167	BCG_2724	325	7	5	5	1.10	1.08	1.05	0.96	1.07	1.00
X020167	BCG_2731C	180	4	2	2	1.19	1.07	1.01	1.05	0.90	1.00
X020167	BCG_2734C	462	8	4	4	0.84	0.82	0.99	1.01	1.05	1.00
X020167	BCG_2744	412	14	9	9	0.72	0.89	0.83	0.94	0.88	1.00
X020167	BCG_2750C	438	9	6	6	0.81	0.82	0.96	0.94	1.12	1.00
X020167	BCG_2759C	260	5	4	4	0.97	0.92	1.04	1.14	1.11	1.00

X020167	BCG_2760C	1129	32	13	19	0.79	0.91	1.00	1.00	1.05	1.00
X020167	BCG_2767	306	9	3	3	1.16	0.87	1.04	1.04	1.15	1.00
X020167	BCG_2768C	381	11	8	8	1.18	1.11	1.01	1.10	0.99	1.00
X020167	BCG_2769C	215	8	2	2	1.38	1.15	1.11	1.14	0.97	1.00
X020167	BCG_2780C	610	34	10	19	0.73	0.89	0.79	1.04	0.84	1.00
X020167	BCG_2781C	116	2	2	2	0.93	0.83	0.84	0.94	1.00	1.00
X020167	BCG_2782	424	14	8	9	1.02	1.12	1.02	1.01	1.05	1.00
X020167	BCG_2795C	142	5	3	3	1.33	1.44	1.28	1.30	1.36	1.00
X020167	BCG_2800C	627	12	6	7	1.04	0.88	0.97	0.89	1.00	1.00
X020167	BCG_2801C	1990	64	32	47	0.94	1.00	0.98	1.10	1.01	1.00
X020167	BCG_2803C	252	10	5	6	0.84	0.86	0.90	0.96	0.87	1.00
X020167	BCG_2811C	352	10	4	4	0.86	0.83	0.76	0.94	0.84	1.00
X020167	BCG_2813C	87	3	2	2	0.97	1.05	0.89	1.32	0.72	1.00
X020167	BCG_2820C	333	8	3	3	1.22	1.05	1.04	1.01	1.03	1.00
X020167	BCG_2851	247	5	2	2	1.22	1.41	1.21	1.05	0.96	1.00
X020167	BCG_2857C	265	5	4	4	0.99	0.97	0.94	0.99	0.91	1.00
X020167	BCG_2858C	223	4	2	2	1.20	1.18	1.17	1.13	1.02	1.00
X020167	BCG_2859C	1103	30	20	22	2.62	0.98	1.11	0.97	1.08	1.00
X020167	BCG_2865C	169	4	2	2	1.00	0.94	0.97	1.12	1.04	1.00
X020167	BCG_2872C	65	3	2	2	1.10	1.09	1.14	0.96	0.92	1.00
X020167	BCG_2875	140	6	2	2	1.02	1.12	1.07	1.00	1.03	1.00
X020167	BCG_2882C	1437	51	20	28	0.69	0.92	0.72	1.00	0.79	1.00
X020167	BCG_2883C	210	5	4	4	0.93	0.91	0.96	0.89	1.19	1.00
X020167	BCG_2890C	614	15	9	9	0.97	0.97	0.98	0.98	0.98	1.00
X020167	BCG_2901C	150	3	2	2	0.93	0.90	0.87	0.99	0.99	1.00
X020167	BCG_2903C	423	9	7	7	1.03	0.96	1.02	0.92	1.01	1.00
X020167	BCG_2904C	237	6	2	3	0.98	1.00	1.00	0.96	1.02	1.00
X020167	BCG_2909C	663	16	10	10	1.52	0.97	0.91	1.01	1.09	1.00
X020167	BCG_2910C	1087	23	16	19	0.95	0.89	0.97	0.91	1.02	1.00
X020167	BCG_2911C	830	30	16	19	0.92	0.99	0.92	1.04	1.04	1.00
X020167	BCG_2914	55	2	2	2	1.07	0.88	0.77	1.02	0.92	1.00
X020167	BCG_2924C	99	3	3	3	0.97	1.00	0.89	1.05	0.85	1.00
X020167	BCG_2925C	423	16	8	8	0.79	0.84	0.98	0.97	1.11	1.00
X020167	BCG_2929C	319	10	5	5	0.88	1.06	0.99	1.07	0.97	1.00
X020167	BCG_2930C	261	8	6	6	0.92	0.82	0.97	0.89	0.85	1.00
X020167	BCG_2937C	492	13	6	6	1.04	0.94	0.92	0.92	0.97	1.00
X020167	BCG_2940C	118	4	2	2	1.10	1.25	1.10	1.72	1.06	1.00
X020167	BCG_2942C	514	12	8	8	0.95	1.04	1.02	0.96	1.02	1.00
X020167	BCG_2943C	501	16	8	8	1.11	1.05	0.95	1.09	1.03	1.00
X020167	BCG_2947C	147	4	2	2	0.87	1.04	0.94	0.94	0.99	1.00

X020167	BCG_2949C	682	16	9	9	0.69	0.80	0.87	0.83	0.91	1.00
X020167	BCG_2950	221	4	2	2	0.79	0.91	0.87	0.85	0.96	1.00
X020167	BCG_2952	158	7	2	2	1.12	0.94	0.96	0.97	1.11	1.00
X020167	BCG_2957	195	6	3	3	1.36	1.10	1.07	1.05	1.08	1.00
X020167	BCG_2958	149	4	3	3	0.81	0.71	0.77	0.70	0.92	1.00
X020167	BCG_2962C	3037	78	52	53	0.98	0.96	1.01	1.02	1.05	1.00
X020167	BCG_2963	404	12	6	6	1.07	1.06	1.01	0.99	1.02	1.00
X020167	BCG_2964	416	12	5	6	1.24	1.08	1.06	1.12	1.09	1.00
X020167	BCG_2967C	392	7	5	5	0.95	0.80	0.90	0.89	0.87	1.00
X020167	BCG_2968C	934	23	16	16	1.08	0.98	0.97	0.99	1.02	1.00
X020167	BCG_2969C	278	6	3	3	0.97	0.89	0.97	0.94	1.02	1.00
X020167	BCG_2970C	278	6	4	4	1.07	1.00	0.97	0.94	1.10	1.00
X020167	BCG_2972C	529	12	9	9	1.03	0.93	0.98	0.95	1.14	1.00
X020167	BCG_2973	174	5	4	4	1.00	0.95	0.97	0.95	1.03	1.00
X020167	BCG_2974	348	10	5	6	0.97	0.85	0.88	0.93	1.06	1.00
X020167	BCG_2976C	276	7	5	5	1.20	1.03	0.95	0.97	1.01	1.00
X020167	BCG_2980C	200	6	3	3	1.05	1.21	1.14	1.14	1.00	1.00
X020167	BCG_2985	535	15	10	12	0.93	1.08	0.85	1.06	0.90	1.00
X020167	BCG_2988C	558	17	8	8	1.13	1.10	1.12	1.05	1.14	1.00
X020167	BCG_2990C	419	12	9	9	0.96	0.92	1.00	1.03	1.03	1.00
X020167	BCG_2991C	316	7	4	4	1.03	1.00	0.96	0.96	0.93	1.00
X020167	BCG_2993	603	10	6	7	0.87	0.82	1.00	0.86	1.08	1.00
X020167	BCG_3002C	411	9	8	8	0.79	0.93	0.75	0.98	0.83	1.00
X020167	BCG_3005	346	8	4	4	0.96	0.84	0.98	1.01	0.99	1.00
X020167	BCG_3006	328	10	6	6	0.96	0.97	0.88	0.87	0.92	1.00
X020167	BCG_3008C	567	12	10	10	1.01	1.18	1.02	1.00	1.09	1.00
X020167	BCG_3009C	546	13	9	10	1.01	0.91	0.98	0.99	1.03	1.00
X020167	BCG_3010	805	18	12	13	1.38	0.86	1.26	0.92	0.92	1.00
X020167	BCG_3013C	220	5	3	3	0.88	0.98	0.93	0.94	0.99	1.00
X020167	BCG_3014C	202	6	3	3	0.97	0.91	0.98	0.95	1.05	1.00
X020167	BCG_3016C	290	7	3	3	1.12	1.21	1.12	1.24	1.16	1.00
X020167	BCG_3017C	982	19	13	14	0.96	1.00	1.05	1.05	1.07	1.00
X020167	BCG_3023C	418	9	6	6	0.93	0.81	0.98	0.89	1.03	1.00
X020167	BCG_3024C	168	5	2	2	1.30	1.31	1.18	1.18	1.10	1.00
X020167	BCG_3025C	76	5	2	2	0.92	1.02	1.03	1.08	0.92	1.00
X020167	BCG_3027C	73	2	2	2	1.19	0.99	0.97	1.00	1.16	1.00
X020167	BCG_3031C	484	14	8	8	0.97	1.02	1.00	1.05	1.03	1.00
X020167	BCG_3032C	181	5	4	4	0.99	0.98	1.02	1.01	1.11	1.00
X020167	BCG_3033C	300	8	4	4	0.98	1.02	0.97	0.97	0.99	1.00
X020167	BCG_3051C	432	11	8	8	0.96	0.90	0.97	0.92	1.00	1.00

X020167	BCG_3052C	475	16	8	8	0.93	0.88	1.00	0.87	1.08	1.00
X020167	BCG_3054	449	9	6	6	1.17	1.08	1.06	1.06	1.07	1.00
X020167	BCG_3056	148	3	2	2	1.12	0.98	0.94	1.14	1.22	1.00
X020167	BCG_3058C	315	8	6	6	0.90	1.09	0.96	1.02	1.01	1.00
X020167	BCG_3066C	294	6	5	5	1.07	0.96	0.96	0.94	1.01	1.00
X020167	BCG_3067C	127	9	2	2	0.97	1.13	0.86	1.06	0.90	1.00
X020167	BCG_3069	545	12	8	10	0.84	0.89	0.95	0.95	0.97	1.00
X020167	BCG_3072C	292	9	5	5	0.98	1.00	0.95	1.00	1.03	1.00
X020167	BCG_3074C	378	12	7	7	0.90	0.75	0.92	0.74	0.95	1.00
X020167	BCG_3075C	517	18	7	7	1.03	0.90	0.94	0.95	1.02	1.00
X020167	BCG_3079C	167	4	4	4	0.89	0.84	0.88	0.85	1.07	1.00
X020167	BCG_3082C	168	5	4	4	1.03	0.99	0.97	1.04	1.12	1.00
X020167	BCG_3100C	567	11	8	8	0.96	0.89	0.98	0.94	1.11	1.00
X020167	BCG_3107C	90	3	2	2	1.09	1.18	0.85	0.94	0.93	1.00
X020167	BCG_3115	232	6	4	4	0.95	1.04	1.10	1.07	1.12	1.00
X020167	BCG_3116	411	10	7	8	1.10	1.04	1.10	1.20	1.15	1.00
X020167	BCG_3118C	299	7	5	5	1.25	1.04	1.01	1.22	1.19	1.00
X020167	BCG_3124C	219	6	4	4	0.97	0.91	1.03	0.95	1.10	1.00
X020167	BCG_3126C	180	7	4	4	0.90	0.91	0.98	0.95	0.99	1.00
X020167	BCG_3127C	600	13	8	9	1.08	0.86	1.03	0.91	1.02	1.00
X020167	BCG_3130C	144	5	4	4	0.99	0.84	0.94	0.86	1.03	1.00
X020167	BCG_3131	77	3	2	2	1.28	1.14	1.03	1.00	0.92	1.00
X020167	BCG_3142	689	24	15	18	0.96	0.98	1.08	1.00	1.08	1.00
X020167	BCG_3153C	180	7	3	3	1.02	0.88	0.95	0.98	1.11	1.00
X020167	BCG_3156C	188	5	4	4	0.94	0.96	0.97	0.99	0.93	1.00
X020167	BCG_3158	65	4	2	4	1.02	1.27	1.16	1.13	1.11	1.00
X020167	BCG_3160	194	5	3	3	0.95	0.80	0.89	0.89	0.97	1.00
X020167	BCG_3162	466	9	7	7	1.00	0.85	1.03	0.95	1.22	1.00
X020167	BCG_3163	739	18	12	14	0.90	0.98	1.03	1.04	1.10	1.00
X020167	BCG_3164	113	3	2	2	1.09	1.31	1.08	1.00	1.06	1.00
X020167	BCG_3166	57	2	2	2	1.18	1.30	1.20	1.32	1.13	1.00
X020167	BCG_3169	174	5	3	3	0.89	0.82	0.81	0.90	0.89	1.00
X020167	BCG_3170	94	2	2	2	0.92	0.90	0.98	0.96	1.09	1.00
X020167	BCG_3171	195	4	4	4	0.72	0.75	0.73	0.87	0.86	1.00
X020167	BCG_3172	186	4	2	2	0.92	0.87	0.97	0.96	0.99	1.00
X020167	BCG_3173	193	7	2	2	0.92	0.92	0.99	0.98	1.12	1.00
X020167	BCG_3174	294	9	5	5	1.01	0.89	1.01	0.95	0.94	1.00
X020167	BCG_3175	162	3	3	3	0.81	0.82	1.03	0.99	1.23	1.00
X020167	BCG_3176	137	4	4	4	0.86	0.95	1.08	0.85	1.11	1.00
X020167	BCG_3179	139	5	2	3	0.91	1.09	0.99	0.98	0.93	1.00

X020167	BCG_3181	122	3	2	3	1.02	0.92	1.05	1.05	1.01	1.00
X020167	BCG_3185C	498	12	10	10	1.03	0.96	1.04	1.01	1.07	1.00
X020167	BCG_3215C	1114	28	16	16	1.07	1.00	1.09	1.11	1.13	1.00
X020167	BCG_3223	180	4	3	3	0.99	0.96	0.93	0.92	1.04	1.00
X020167	BCG_3225C	356	11	5	5	0.86	0.97	0.93	0.92	0.93	1.00
X020167	BCG_3232C	315	7	2	2	0.97	0.93	0.99	0.99	1.04	1.00
X020167	BCG_3233C	142	5	3	3	1.02	1.06	0.99	1.08	1.01	1.00
X020167	BCG_3234	103	5	2	2	1.10	0.93	1.20	1.10	1.49	1.00
X020167	BCG_3235C	209	3	2	2	0.96	0.90	1.01	1.00	1.13	1.00
X020167	BCG_3238	845	21	14	15	0.87	0.99	0.86	1.04	0.84	1.00
X020167	BCG_3240C	227	9	6	6	0.92	0.88	0.99	1.06	1.06	1.00
X020167	BCG_3251C	372	10	6	7	0.89	0.87	0.93	0.94	1.06	1.00
X020167	BCG_3252	796	28	14	19	1.05	1.07	1.05	1.00	1.10	1.00
X020167	BCG_3255C	252	8	6	6	0.94	1.13	0.76	0.96	0.87	1.00
X020167	BCG_3259C	238	8	2	2	0.94	0.95	0.84	0.94	0.93	1.00
X020167	BCG_3269C	1001	24	15	16	1.75	0.92	1.02	0.94	1.05	1.00
X020167	BCG_3270C	212	4	4	4	0.72	0.88	1.02	0.90	1.07	1.00
X020167	BCG_3275C	355	8	5	7	0.88	0.86	1.00	0.88	1.02	1.00
X020167	BCG_3277C	967	30	18	21	0.99	0.92	1.07	1.02	1.06	1.00
X020167	BCG_3285C	250	7	3	3	0.93	0.99	0.87	0.93	0.97	1.00
X020167	BCG_3286C	75	2	2	2	1.16	1.18	1.11	1.08	1.04	1.00
X020167	BCG_3293C	371	9	5	5	0.93	0.89	0.87	0.94	0.97	1.00
X020167	BCG_3294C	169	4	2	2	1.00	0.90	0.99	1.03	1.12	1.00
X020167	BCG_3297	104	4	2	2	0.98	1.21	1.09	1.03	0.83	1.00
X020167	BCG_3298	286	7	5	7	0.95	0.94	1.08	1.11	1.14	1.00
X020167	BCG_3299	413	14	8	9	0.96	0.91	1.04	1.01	1.05	1.00
X020167	BCG_3302	406	8	5	5	0.87	0.85	1.01	0.93	1.09	1.00
X020167	BCG_3303C	579	17	10	10	0.89	0.94	1.00	0.99	1.05	1.00
X020167	BCG_3304C	105	3	2	2	1.14	1.15	1.14	1.05	1.07	1.00
X020167	BCG_3305C	1643	69	21	38	0.83	0.93	0.76	1.01	0.81	1.00
X020167	BCG_3309	1360	52	23	39	0.66	0.81	0.67	0.94	0.80	1.00
X020167	BCG_3310	188	7	4	4	1.00	0.97	0.92	1.33	0.92	1.00
X020167	BCG_3312	392	12	9	9	0.90	0.87	0.92	0.90	0.95	1.00
X020167	BCG_3314	2272	63	29	38	0.78	0.93	0.70	0.99	0.80	1.00
X020167	BCG_3321	139	5	3	3	1.18	1.16	1.01	1.01	1.14	1.00
X020167	BCG_3322	147	5	3	3	0.91	0.96	0.87	0.95	0.87	1.00
X020167	BCG_3324	325	9	3	3	1.03	0.78	0.86	0.85	0.99	1.00
X020167	BCG_3325	228	8	3	3	1.23	0.93	0.96	1.20	1.04	1.00
X020167	BCG_3334	147	3	2	2	1.05	1.18	1.02	1.13	1.01	1.00
X020167	BCG_3335	201	5	3	3	0.95	0.71	0.78	0.89	0.93	1.00

X020167	BCG_3340C	503	16	8	9	0.96	1.07	1.01	1.00	1.07	1.00
X020167	BCG_3349C	182	5	2	2	0.98	0.97	1.09	1.00	1.14	1.00
X020167	BCG_3366C	276	7	2	2	0.88	0.86	0.77	0.77	0.91	1.00
X020167	BCG_3367C	325	10	6	7	1.22	1.02	1.06	1.06	1.10	1.00
X020167	BCG_3376	291	8	6	6	0.85	0.88	1.00	0.93	0.98	1.00
X020167	BCG_3384	215	8	3	3	1.15	0.92	1.03	0.98	1.11	1.00
X020167	BCG_3410	85	4	2	2	1.23	1.19	0.97	1.14	0.96	1.00
X020167	BCG_3440C	99	3	2	2	1.05	1.18	1.12	1.09	1.33	1.00
X020167	BCG_3441	116	4	3	3	0.65	0.88	0.88	0.83	0.96	1.00
X020167	BCG_3445	255	7	4	4	1.00	0.92	1.01	0.96	0.96	1.00
X020167	BCG_3453C	206	4	3	3	1.01	0.89	1.05	1.07	1.03	1.00
X020167	BCG_3458C	551	10	9	9	1.01	1.03	1.03	0.95	1.03	1.00
X020167	BCG_3461C	131	3	2	2	0.87	0.89	0.93	0.81	0.98	1.00
X020167	BCG_3466C	194	8	3	3	1.00	1.03	1.00	1.05	1.17	1.00
X020167	BCG_3469	285	6	4	4	1.01	1.00	0.95	0.95	1.06	1.00
X020167	BCG_3470	229	6	5	5	1.03	0.93	0.94	0.96	1.00	1.00
X020167	BCG_3471	586	15	11	12	0.98	1.07	1.08	1.11	1.12	1.00
X020167	BCG_3479C	315	9	4	4	1.31	1.38	1.04	1.21	1.15	1.00
X020167	BCG_3480C	248	5	3	3	0.95	0.96	0.78	1.07	1.07	1.00
X020167	BCG_3481C	1704	48	27	40	0.77	0.82	0.93	0.95	1.02	1.00
X020167	BCG_3487C	1571	39	22	26	1.10	0.87	1.05	0.96	1.08	1.00
X020167	BCG_3488C	659	27	9	22	0.85	0.84	1.01	0.95	1.15	1.00
X020167	BCG_3502C	231	5	3	3	1.01	0.89	0.96	0.93	0.99	1.00
X020167	BCG_3507C	182	5	3	3	1.17	0.96	0.92	0.99	0.97	1.00
X020167	BCG_3508C	483	18	10	13	0.71	0.73	0.85	0.88	0.95	1.00
X020167	BCG_3509C	309	17	7	11	0.90	0.94	1.01	1.00	0.94	1.00
X020167	BCG_3521C	545	17	12	14	0.96	0.92	1.01	0.97	0.91	1.00
X020167	BCG_3522C	1015	35	16	21	0.73	0.80	0.91	0.93	0.98	1.00
X020167	BCG_3523C	821	29	13	21	0.77	0.88	0.90	0.94	0.87	1.00
X020167	BCG_3524C	281	12	6	9	0.67	0.74	0.89	0.73	0.99	1.00
X020167	BCG_3525C	628	27	12	14	0.74	0.83	0.86	0.94	0.89	1.00
X020167	BCG_3527C	122	4	2	3	0.95	0.95	1.12	0.91	1.18	1.00
X020167	BCG_3550	118	2	2	2	1.01	1.04	1.05	1.01	0.93	1.00
X020167	BCG_3554	176	5	3	3	1.20	0.94	1.05	0.99	0.99	1.00
X020167	BCG_3557C	156	3	2	2	1.44	1.26	1.10	1.07	1.01	1.00
X020167	BCG_3573C	479	11	8	8	1.08	1.06	1.06	1.05	1.01	1.00
X020167	BCG_3583	359	12	7	9	1.16	0.94	1.07	0.97	1.14	1.00
X020167	BCG_3584C	246	5	2	2	1.16	1.18	0.99	0.91	1.13	1.00
X020167	BCG_3592C	218	7	5	5	1.94	0.89	1.47	0.93	1.03	1.00
X020167	BCG_3611	195	6	4	4	1.07	1.01	1.02	0.93	1.15	1.00

X020167	BCG_3633C	92	6	2	2	1.12	1.01	1.03	0.97	1.09	1.00
X020167	BCG_3635C	328	8	2	2	0.72	0.80	0.92	0.91	1.16	1.00
X020167	BCG_3648C	521	12	9	9	0.97	0.95	1.02	0.97	1.05	1.00
X020167	BCG_3649	331	7	5	5	0.85	0.89	1.00	0.90	1.02	1.00
X020167	BCG_3652C	185	3	2	2	0.82	0.79	1.11	0.94	1.16	1.00
X020167	BCG_3653C	240	7	3	3	1.03	1.15	0.97	0.96	0.90	1.00
X020167	BCG_3661C	1324	35	14	15	1.07	0.91	1.08	1.09	1.19	1.00
X020167	BCG_3662C	177	5	4	4	1.03	1.13	0.96	0.93	0.94	1.00
X020167	BCG_3663C	93	4	2	2	0.84	0.85	0.98	0.90	0.89	1.00
X020167	BCG_3674C	348	12	8	8	0.96	0.83	0.99	1.00	0.96	1.00
X020167	BCG_3678C	113	3	2	2	0.97	1.03	0.90	0.96	0.94	1.00
X020167	BCG_3680C	183	4	2	2	0.81	0.72	1.04	0.90	1.14	1.00
X020167	BCG_3685C	104	2	2	2	1.42	1.39	0.97	1.09	0.96	1.00
X020167	BCG_3686	321	8	5	5	1.05	0.95	1.05	0.98	1.02	1.00
X020167	BCG_3704C	1383	41	22	24	1.19	0.97	0.98	1.00	0.98	1.00
X020167	BCG_3706C	254	11	5	8	0.98	1.00	1.10	1.16	1.08	1.00
X020167	BCG_3727	103	4	4	4	0.88	0.99	1.05	0.98	1.04	1.00
X020167	BCG_3729C	256	8	4	4	0.97	0.92	0.89	0.97	0.93	1.00
X020167	BCG_3734	454	10	7	7	1.14	1.11	1.13	1.09	1.05	1.00
X020167	BCG_3738	98	3	2	2	0.75	1.20	0.86	0.83	0.95	1.00
X020167	BCG_3742	79	3	2	2	1.45	1.08	1.02	1.10	1.21	1.00
X020167	BCG_3747C	287	6	5	5	0.87	0.89	0.93	0.90	0.94	1.00
X020167	BCG_3751	206	4	2	2	1.06	1.09	1.01	0.95	1.10	1.00
X020167	BCG_3752	244	8	4	4	1.04	1.12	0.99	1.28	1.00	1.00
X020167	BCG_3768C	221	5	3	3	0.98	0.98	1.01	0.89	1.02	1.00
X020167	BCG_3769C	428	10	6	6	1.08	1.12	1.07	0.99	1.07	1.00
X020167	BCG_3770	610	19	14	14	1.00	1.02	1.03	1.02	1.02	1.00
X020167	BCG_3776C	162	4	3	3	0.91	0.83	1.00	1.01	1.07	1.00
X020167	BCG_3778C	160	5	2	2	0.92	0.92	1.05	0.94	1.06	1.00
X020167	BCG_3780	573	12	7	8	1.11	0.94	0.98	0.95	1.10	1.00
X020167	BCG_3782C	258	10	6	6	0.99	0.97	1.04	0.94	1.27	1.00
X020167	BCG_3794C	241	5	3	3	1.27	1.26	1.06	1.10	0.97	1.00
X020167	BCG_3806	253	6	3	4	1.10	1.08	1.04	0.99	1.08	1.00
X020167	BCG_3820C	205	5	4	4	1.11	0.98	1.00	0.95	1.01	1.00
X020167	BCG_3822	155	5	2	2	0.83	0.82	0.94	0.92	0.98	1.00
X020167	BCG_3836	527	11	8	9	0.83	0.82	0.95	0.90	1.01	1.00
X020167	BCG_3837	204	10	5	5	1.24	1.14	1.06	1.04	1.05	1.00
X020167	BCG_3840C	135	3	2	2	1.24	1.17	0.98	1.12	1.04	1.00
X020167	BCG_3842	305	9	5	5	1.00	0.98	1.08	1.05	1.19	1.00
X020167	BCG_3844	405	11	7	7	1.15	0.96	1.07	1.12	1.10	1.00

X020167	BCG_3853	432	9	7	8	0.87	0.78	0.95	0.86	1.08	1.00
X020167	BCG_3857	440	14	8	8	1.00	1.00	1.10	1.07	1.12	1.00
X020167	BCG_3861C	1485	43	19	30	0.76	0.96	0.76	1.01	0.84	1.00
X020167	BCG_3862C	978	29	21	21	0.95	0.92	1.01	0.99	1.07	1.00
X020167	BCG_3863C	1037	22	17	17	1.00	0.98	1.08	0.99	1.15	1.00
X020167	BCG_3864C	236	7	3	3	1.04	1.00	1.07	1.01	1.29	1.00
X020167	BCG_3866C	279	9	5	5	1.05	1.04	0.99	1.01	0.96	1.00
X020167	BCG_3867C	298	8	5	5	1.16	1.10	1.14	1.21	1.06	1.00
X020167	BCG_3868C	207	5	3	3	1.01	0.91	1.25	1.04	1.32	1.00
X020167	BCG_3870C	334	11	7	7	0.99	0.89	0.95	1.10	0.95	1.00
X020167	BCG_3876C	145	4	2	2	0.98	0.98	1.05	1.07	1.05	1.00
X020167	BCG_3877C	90	3	2	2	1.21	1.17	0.96	1.16	0.83	1.00
X020167	BCG_3878C	517	12	8	8	1.23	1.20	1.12	1.17	1.11	1.00
X020167	BCG_3879	511	11	7	7	1.04	1.06	0.75	1.08	1.08	1.00
X020167	BCG_3880	305	8	5	5	1.08	1.02	1.02	1.05	1.17	1.00
X020167	BCG_3881	421	17	10	13	0.96	0.97	0.90	0.94	1.03	1.00
X020167	BCG_3897C	146	3	2	2	1.15	1.02	0.99	1.06	0.96	1.00
X020167	BCG_3901C	291	6	2	2	0.81	0.80	1.02	0.87	0.97	1.00
X020167	BCG_3904	317	10	6	6	0.84	0.87	0.98	0.95	1.02	1.00
X020167	BCG_3905C	96	4	2	2	1.50	1.03	1.61	0.95	0.96	1.00
X020167	BCG_3906C	122	6	2	2	0.98	1.00	0.93	1.01	0.91	1.00
X020167	BCG_3909	257	7	5	5	0.88	0.83	0.97	0.86	1.02	1.00
X020167	BCG_3912	246	7	5	6	0.93	0.99	0.89	0.93	0.92	1.00
X020167	BCG_3915	241	7	4	4	1.54	0.83	1.06	0.96	0.99	1.00
X020167	BCG_3921C	256	7	5	5	0.99	0.97	1.00	1.10	1.03	1.00
X020167	BCG_3922C	400	12	5	5	1.20	0.97	1.00	1.27	1.04	1.00
X020167	BCG_3927	257	9	6	8	0.92	0.88	0.97	0.97	1.04	1.00
X020167	BCG_3928	202	5	4	4	0.79	0.78	0.85	0.83	0.89	1.00
X020167	BCG_3930	71	2	2	2	0.99	1.01	1.01	1.02	1.12	1.00
X020167	BCG_3931	592	13	9	10	1.05	1.05	1.02	1.04	1.02	1.00
X020167	BCG_3935C	314	5	3	3	1.13	1.22	1.16	1.22	1.14	1.00
X020167	BCG_3936C	403	9	5	5	0.80	0.83	0.99	0.92	1.01	1.00
X020167	BCG_3964C	165	4	2	2	1.13	1.09	1.02	1.00	1.04	1.00
X020167	BCG_3967	178	5	3	3	1.09	1.07	1.05	1.01	0.87	1.00
X020167	BCG_3971	195	5	3	3	0.98	1.01	0.84	0.85	0.96	1.00
X020167	BCG_3972	320	13	6	7	0.68	0.68	0.77	1.32	0.85	1.00
X020167	BCG_3978C	491	10	7	9	0.90	0.83	0.93	0.99	1.04	1.00

Hill	IC50	pIC50
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.55	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.62	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.81	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.01	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.84	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.94	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.05	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.90	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.45	≥ 40.00	≤ 4.40
0.70	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
0.53	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.52	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.74	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.91	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.88	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.59	≥ 40.00	≤ 4.40
1.06	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.73	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.63	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.79	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.19	≥ 40.00	≤ 4.40
0.76	≥ 40.00	≤ 4.40
0.66	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.82	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.68	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.65	≥ 40.00	≤ 4.40
1.08	≥ 40.00	≤ 4.40
0.85	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.00	≥ 40.00	≤ 4.40
2.18	≥ 40.00	≤ 4.40
0.97	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.57	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.70	≥ 40.00	≤ 4.40
0.77	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.16	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.77	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
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NA	≥ 40.00	≤ 4.40
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1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
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NA	≥ 40.00	≤ 4.40
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NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
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1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.66	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.10	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.49	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.92	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
0.73	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
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NA	≥ 40.00	≤ 4.40
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NA	≥ 40.00	≤ 4.40
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NA	≥ 40.00	≤ 4.40
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NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
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1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
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1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
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1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.55	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.67	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.75	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.76	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.57	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.76	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.17	≥ 40.00	≤ 4.40
0.57	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.01	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.75	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.53	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.53	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.60	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.72	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.58	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.13	≥ 40.00	≤ 4.40
2.32	≥ 40.00	≤ 4.40
0.73	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.65	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.86	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.96	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
2.20	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.96	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.61	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.87	≥ 40.00	≤ 4.40
1.82	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.45	≥ 40.00	≤ 4.40
0.54	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.96	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.54	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.61	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.69	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.73	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.34	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.82	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.58	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.82	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.83	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.56	≥ 40.00	≤ 4.40
0.59	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.41	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.84	≥ 40.00	≤ 4.40
1.63	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.35	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.15	≥ 40.00	≤ 4.40
0.94	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.04	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40

1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.80	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.51	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.51	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.52	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

NA	≥ 40.00	≤ 4.40
0.68	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.91	≥ 40.00	≤ 4.40
0.90	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
2.29	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.80	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.86	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.54	≥ 40.00	≤ 4.40
0.60	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40

0.64	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.58	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.19	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.62	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.60	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
0.61	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
NA	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
1.00	≥ 40.00	≤ 4.40
0.70	≥ 40.00	≤ 4.40

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Proteins identified with Compound 4-matrix in lysates from HEK293 cells, K562 cells, and placenta tissue. Generation of IC50 values for test compound Compound 6

Abbreviations: SSM; number of spectrum-to-sequence matches, UPM; unique peptide matches, NA; not available

Experiment ID	Protein Name	IPI accession number	Mascot Score	SSM	UPM	SSM used for quantification	abundance relative to vehicle				
							TMT126	TMT127L	TMT127H	TMT128L	TMT128H
X020168	7 KDA PRG	IPI00877923.1	53	2	2	2	0.26	0.20	0.16	0.31	0.23
X020168	AARS	IPI00910701.1	392	15	10	10	0.19	0.22	0.17	0.28	0.20
X020168	ABCE1	IPI00303207.3	197	7	3	3	0.15	0.22	0.15	0.21	0.17
X020168	ACADM	IPI00513827.3	81	3	3	3	0.23	0.24	0.21	0.31	0.25
X020168	ACADVL	IPI00028031.2	253	7	5	5	0.29	0.29	0.23	0.36	0.26
X020168	ACAT1	IPI00030363.1	420	9	7	7	0.15	0.16	0.13	0.21	0.16
X020168	ACO2	IPI00790739.1	518	12	5	5	0.14	0.16	0.12	0.23	0.14
X020168	ACSL3	IPI00031397.3	88	3	2	2	0.17	0.21	0.22	0.26	0.21
X020168	ACTB	IPI00894498.1	1029	39	6	9	0.30	0.31	0.21	0.28	0.23
X020168	AGK	IPI00019353.4	298	6	4	4	0.36	0.31	0.33	0.36	0.36
X020168	AIFM1	IPI00000690.1	535	13	9	9	0.26	0.25	0.23	0.30	0.27
X020168	AK2	IPI00215901.1	441	12	8	9	0.16	0.18	0.13	0.19	0.15
X020168	ALDH1B1	IPI00103467.4	107	3	2	2	0.19	0.19	0.13	0.22	0.18
X020168	ANP32E	IPI00165393.1	417	8	6	6	0.28	0.18	0.17	0.23	0.20
X020168	ANXA1	IPI00218918.5	811	27	14	15	0.29	0.29	0.25	0.33	0.26
X020168	ANXA7	IPI00002460.3	222	6	3	3	0.24	0.29	0.26	0.29	0.27
X020168	AP2M1	IPI00909772.1	185	7	5	5	0.30	0.33	0.31	0.38	0.33
X020168	AP2S1	IPI00219840.4	75	2	2	2	0.28	0.25	0.31	0.37	0.28
X020168	API5	IPI00855856.2	139	6	3	3	0.19	0.17	0.17	0.26	0.19
X020168	APIP	IPI00911064.1	75	3	2	2	0.32	0.30	0.35	0.42	0.41
X020168	APOBEC3	IPI00872929.2	118	4	2	2	0.24	0.27	0.29	0.31	0.30
X020168	APRT	IPI00218693.8	85	3	3	3	0.17	0.25	0.19	0.25	0.18
X020168	ARF3	IPI00215917.3	346	9	3	4	0.17	0.19	0.15	0.22	0.17
X020168	ARHGEF2	IPI00472160.5	205	8	3	3	0.31	0.33	0.33	0.38	0.49
X020168	ARL8B	IPI00018871.2	277	8	2	2	0.03	0.09	0.03	0.09	0.04
X020168	ASAH1	IPI00418446.4	124	5	3	3	0.32	0.34	0.28	0.35	0.33
X020168	ATP1B3	IPI00008167.1	141	4	2	2	0.28	0.38	0.29	0.28	0.33
X020168	ATP5A1	IPI00440493.2	1092	30	21	24	0.17	0.18	0.16	0.24	0.19

X020168	ATP5B	IPI00303476.1	790	14	12	13	0.21	0.25	0.19	0.28	0.24
X020168	ATP5D	IPI00024920.1	118	2	2	2	0.14	0.15	0.14	0.17	0.13
X020168	ATP5E	IPI00215878.6	87	4	2	2	0.17	0.15	0.13	0.20	0.14
X020168	ATP5L	IPI00027448.3	87	4	2	2	0.13	0.18	0.14	0.18	0.15
X020168	BAG2	IPI00000643.1	338	8	5	5	0.25	0.26	0.21	0.28	0.26
X020168	BAT1	IPI00641829.5	525	16	5	5	0.22	0.21	0.21	0.32	0.22
X020168	BCAP31	IPI00642984.2	325	11	6	6	0.15	0.18	0.12	0.20	0.15
X020168	BRP44	IPI00022832.1	95	4	3	4	0.22	0.24	0.23	0.27	0.22
X020168	BTF3	IPI00221035.4	155	7	3	4	0.29	0.28	0.29	0.31	0.28
X020168	BUD31	IPI00013180.2	172	6	5	5	0.30	0.28	0.27	0.32	0.26
X020168	C19ORF53	IPI00022317.3	122	4	3	3	0.17	0.15	0.15	0.11	0.13
X020168	C1ORF57	IPI00514501.1	154	5	4	4	0.28	0.29	0.28	0.33	0.30
X020168	C1QBP	IPI00014230.1	377	6	4	5	0.07	0.09	0.07	0.12	0.08
X020168	C22ORF28	IPI00550689.3	431	13	9	9	0.31	0.33	0.29	0.35	0.33
X020168	C6ORF66	IPI00023064.1	165	5	4	4	0.21	0.22	0.17	0.27	0.21
X020168	CACYBP	IPI00395627.3	302	7	6	6	0.27	0.26	0.24	0.32	0.27
X020168	CALR	IPI00020599.1	538	17	11	12	0.11	0.14	0.10	0.19	0.13
X020168	CALU	IPI00789155.1	299	6	4	4	0.24	0.32	0.29	0.25	0.28
X020168	CANX	IPI00020984.2	672	17	13	14	0.15	0.18	0.14	0.24	0.16
X020168	CCDC124	IPI00060627.2	161	5	3	3	0.33	0.33	0.32	0.34	0.37
X020168	CCT2	IPI00297779.7	873	24	16	18	0.26	0.26	0.23	0.33	0.25
X020168	CCT4	IPI00302927.6	696	17	13	13	0.27	0.28	0.27	0.35	0.28
X020168	CCT5	IPI00010720.1	876	25	17	18	0.26	0.31	0.25	0.34	0.28
X020168	CCT6A	IPI00027626.3	678	18	11	11	0.26	0.27	0.26	0.35	0.28
X020168	CCT7	IPI00018465.1	838	22	12	13	0.21	0.24	0.20	0.28	0.24
X020168	CCT8	IPI00784090.2	1348	33	26	29	0.24	0.26	0.23	0.32	0.26
X020168	CDC2	IPI00026689.4	84	3	3	3	0.27	0.31	0.25	0.32	0.27
X020168	CDC42	IPI00909484.1	271	7	4	4	0.19	0.21	0.15	0.22	0.17
X020168	CFL1	IPI00012011.6	553	16	10	10	0.20	0.22	0.17	0.24	0.19
X020168	CHCHD3	IPI00015833.1	271	8	6	6	0.25	0.24	0.22	0.31	0.26
X020168	CIRBP	IPI00641579.1	114	4	3	3	0.13	0.17	0.10	0.13	0.13
X020168	CISD2	IPI00166865.3	111	2	2	2	0.29	0.31	0.28	0.35	0.31
X020168	CKB	IPI00022977.1	487	12	9	10	0.12	0.16	0.08	0.19	0.10
X020168	CLIC1	IPI00010896.3	493	12	6	6	0.06	0.09	0.04	0.13	0.06
X020168	CLNS1A	IPI00004795.1	117	2	2	2	0.25	0.24	0.25	0.30	0.26
X020168	CLTA	IPI00014587.1	73	4	4	4	0.19	0.19	0.19	0.24	0.20
X020168	CMPK1	IPI00219953.5	295	7	4	4	0.13	0.22	0.12	0.21	0.13
X020168	COMT	IPI00011284.1	299	10	5	7	0.10	0.13	0.10	0.16	0.12
X020168	COPZ1	IPI00032851.1	150	3	2	2	0.09	0.12	0.10	0.18	0.13
X020168	CORO1A	IPI00010133.3	194	6	3	3	0.19	0.22	0.19	0.26	0.22

X020168	CORO1B	IPI00007058.1	183	5	4	4	0.25	0.29	0.26	0.37	0.29
X020168	COTL1	IPI00017704.3	61	2	2	2	0.19	0.21	0.14	0.23	0.15
X020168	COX2	IPI00916440.1	130	3	3	3	0.06	0.06	0.08	0.09	0.05
X020168	COX4I1	IPI00006579.1	100	3	2	2	0.14	0.17	0.14	0.24	0.16
X020168	CRYZ	IPI00000792.1	145	5	4	4	0.23	0.23	0.20	0.25	0.21
X020168	CS	IPI00025366.4	237	6	5	5	0.08	0.10	0.07	0.15	0.10
X020168	CUTA	IPI00034319.2	131	4	3	3	0.32	0.33	0.29	0.33	0.33
X020168	CYB5R3	IPI00328415.11	148	3	2	2	0.16	0.16	0.15	0.17	0.13
X020168	CYC1	IPI00029264.3	80	3	2	2	0.07	0.10	0.07	0.10	0.06
X020168	CYCS	IPI00465315.6	127	5	4	5	0.08	0.09	0.07	0.14	0.08
X020168	DAD1	IPI00009407.8	85	3	3	3	0.22	0.33	0.21	0.29	0.25
X020168	DCI	IPI00300567.1	378	6	5	6	0.07	0.08	0.06	0.12	0.08
X020168	DCXR	IPI00448095.3	155	4	3	3	0.29	0.29	0.26	0.33	0.28
X020168	DDOST	IPI00297084.7	498	13	10	10	0.19	0.24	0.17	0.29	0.22
X020168	DDX21	IPI00015953.3	363	9	5	5	0.23	0.22	0.21	0.25	0.24
X020168	DDX5	IPI00017617.1	609	19	13	14	0.25	0.25	0.27	0.26	0.25
X020168	DECR1	IPI00003482.1	368	9	8	8	0.14	0.17	0.14	0.19	0.14
X020168	DEK	IPI00871695.1	413	17	10	11	0.30	0.34	0.38	0.33	0.38
X020168	DHX9	IPI00844578.1	781	19	13	13	0.28	0.29	0.26	0.34	0.28
X020168	DLAT	IPI00021338.2	485	12	9	9	0.19	0.21	0.18	0.28	0.23
X020168	DLD	IPI00015911.1	438	11	8	8	0.17	0.18	0.16	0.24	0.17
X020168	DLST	IPI00420108.5	192	7	4	4	0.27	0.28	0.24	0.30	0.25
X020168	DNAJB11	IPI00008454.1	211	5	2	2	0.17	0.21	0.16	0.23	0.19
X020168	DNAJC19	IPI00304306.5	172	9	3	3	0.32	0.29	0.32	0.36	0.33
X020168	DNAJC9	IPI00154975.3	506	13	8	8	0.18	0.27	0.21	0.27	0.22
X020168	DPM1	IPI00796864.1	88	2	2	2	0.32	0.23	0.23	0.32	0.25
X020168	DRG1	IPI00031836.3	539	12	9	9	0.29	0.29	0.30	0.34	0.31
X020168	ECHS1	IPI00024993.4	161	5	2	2	0.21	0.33	0.22	0.28	0.23
X020168	EEF1B2	IPI00178440.3	335	9	5	6	0.20	0.20	0.22	0.27	0.24
X020168	EEF1D	IPI00642971.3	575	13	9	9	0.25	0.29	0.23	0.32	0.26
X020168	EEF1G	IPI00000875.7	607	19	14	15	0.29	0.31	0.28	0.40	0.32
X020168	EIF2B2	IPI00028083.1	75	3	2	2	0.24	0.23	0.19	0.34	0.26
X020168	EIF2S1	IPI00219678.3	277	8	5	6	0.27	0.29	0.25	0.31	0.35
X020168	EIF2S2	IPI00021728.3	525	12	10	11	0.33	0.30	0.29	0.35	0.39
X020168	EIF2S3	IPI00297982.7	458	11	8	8	0.25	0.24	0.22	0.27	0.31
X020168	EIF3I	IPI00012795.3	306	8	6	6	0.29	0.35	0.29	0.33	0.32
X020168	EIF4A1	IPI00025491.1	757	18	4	5	0.19	0.28	0.20	0.26	0.21
X020168	EIF4A3	IPI00009328.4	361	8	7	7	0.16	0.21	0.18	0.24	0.18
X020168	EIF4B	IPI00012079.3	341	12	6	6	0.31	0.32	0.34	0.37	0.33
X020168	EIF4G2	IPI00015952.2	68	3	2	2	0.34	0.37	0.28	0.54	0.45

X020168	EIF4H	IPI00014263.1	268	6	3	4	0.26	0.24	0.23	0.27	0.26
X020168	EIF6	IPI00010105.1	116	3	2	2	0.19	0.23	0.16	0.16	0.16
X020168	ELAVL1	IPI00301936.4	247	8	5	5	0.12	0.12	0.13	0.17	0.12
X020168	ETF1	IPI00429191.3	256	6	5	5	0.15	0.20	0.16	0.24	0.17
X020168	ETFFA	IPI00010810.1	352	11	8	8	0.10	0.12	0.10	0.20	0.12
X020168	ETFB	IPI00556451.2	146	4	3	3	0.16	0.19	0.15	0.21	0.14
X020168	EWSR1	IPI00009841.5	170	6	5	5	0.29	0.24	0.35	0.24	0.35
X020168	EXOSC6	IPI00073602.1	199	4	3	3	0.27	0.29	0.27	0.31	0.27
X020168	EXOSC9	IPI00029697.3	83	3	2	2	0.27	0.26	0.28	0.28	0.28
X020168	FAF2	IPI00172656.6	68	2	2	2	0.20	0.20	0.21	0.26	0.23
X020168	FAM62A	IPI00746655.1	429	13	8	8	0.28	0.27	0.28	0.38	0.30
X020168	FDXR	IPI00911050.1	104	5	3	3	0.21	0.25	0.20	0.24	0.21
X020168	FEN1	IPI00026215.1	264	10	5	6	0.26	0.22	0.24	0.27	0.28
X020168	FERMT3	IPI00397834.1	311	7	6	6	0.18	0.18	0.14	0.24	0.17
X020168	FH	IPI00296053.3	609	14	9	9	0.12	0.14	0.10	0.19	0.11
X020168	FKBP3	IPI00024157.1	203	7	4	4	0.31	0.29	0.28	0.34	0.32
X020168	FSCN1	IPI00747810.2	430	11	9	9	0.25	0.28	0.22	0.33	0.23
X020168	FUBP1	IPI00641948.2	419	14	10	10	0.24	0.21	0.21	0.30	0.22
X020168	G3BP2	IPI00009057.2	174	6	2	2	0.20	0.19	0.19	0.25	0.19
X020168	GANAB	IPI00383581.4	490	15	11	12	0.20	0.19	0.16	0.24	0.19
X020168	GAR1	IPI00872985.1	203	7	6	6	0.21	0.17	0.16	0.18	0.16
X020168	GLUD1	IPI00016801.1	445	9	7	7	0.24	0.25	0.21	0.28	0.23
X020168	GNB2L1	IPI00641950.4	848	19	17	18	0.28	0.32	0.28	0.33	0.30
X020168	GOT2	IPI00018206.3	280	8	5	5	0.18	0.20	0.14	0.22	0.16
X020168	GSTK1	IPI00440703.1	188	4	2	2	0.12	0.20	0.18	0.25	0.19
X020168	GSTO1	IPI00019755.3	216	7	5	5	0.18	0.25	0.16	0.23	0.17
X020168	GSTP1	IPI00219757.13	670	13	10	12	0.12	0.19	0.11	0.17	0.12
X020168	GTF2E2	IPI00019981.1	66	2	2	2	0.33	0.34	0.37	0.34	0.38
X020168	H1FX	IPI00021924.1	123	3	3	3	0.20	0.25	0.21	0.19	0.22
X020168	H2AFX	IPI00219037.5	129	3	2	2	0.09	0.11	0.06	0.13	0.06
X020168	H2AFY	IPI00304171.6	220	5	3	3	0.10	0.13	0.13	0.18	0.14
X020168	HADH	IPI00298406.3	220	7	5	5	0.22	0.22	0.22	0.27	0.22
X020168	HADHB	IPI00022793.5	394	9	7	7	0.17	0.20	0.19	0.26	0.21
X020168	HAT1	IPI00024719.1	74	3	2	2	0.30	0.29	0.29	0.38	0.30
X020168	HBE1	IPI00217471.3	192	4	3	3	0.10	0.12	0.08	0.17	0.09
X020168	HBZ	IPI00217473.5	419	9	7	8	0.10	0.11	0.10	0.15	0.11
X020168	HCG_2004	IPI00478208.2	245	7	5	6	0.16	0.15	0.14	0.16	0.13
X020168	HINT1	IPI00239077.5	178	5	3	3	0.13	0.14	0.13	0.18	0.15
X020168	HMGB1	IPI00419258.4	493	21	6	9	0.28	0.27	0.29	0.31	0.28
X020168	HNRNPA0	IPI00011913.1	186	5	3	3	0.20	0.24	0.22	0.24	0.21

X020168	HNRNPA2	IPI00874030.3	825	22	15	19	0.08	0.09	0.08	0.13	0.10
X020168	HNRNPA3	IPI00419373.1	436	20	9	12	0.15	0.16	0.14	0.21	0.16
X020168	HNRNPC	IPI00477313.3	595	18	11	14	0.08	0.09	0.09	0.15	0.10
X020168	HNRNPD	IPI00028888.1	213	12	5	6	0.14	0.14	0.14	0.19	0.14
X020168	HNRNPF	IPI00003881.5	538	14	10	11	0.28	0.29	0.28	0.34	0.31
X020168	HNRNPH1	IPI00479191.2	827	21	7	9	0.30	0.30	0.27	0.35	0.30
X020168	HNRNPH2	IPI00917181.1	165	6	4	4	0.12	0.12	0.11	0.14	0.11
X020168	HNRNPH3	IPI00013877.2	542	11	9	10	0.11	0.11	0.10	0.16	0.12
X020168	HNRNPK	IPI00216746.1	812	24	15	20	0.12	0.12	0.11	0.17	0.13
X020168	HNRNPL	IPI00027834.3	582	15	8	8	0.12	0.17	0.11	0.17	0.14
X020168	HNRNPM	IPI00171903.2	994	47	21	27	0.21	0.22	0.19	0.27	0.21
X020168	HNRNPUL	IPI00456887.2	259	7	4	4	0.15	0.17	0.15	0.22	0.17
X020168	HNRPA1L	IPI00215965.2	805	24	11	14	0.09	0.10	0.09	0.14	0.11
X020168	HNRPDL	IPI00011274.3	376	12	5	5	0.11	0.16	0.11	0.18	0.13
X020168	HP1BP3	IPI00642238.4	70	3	3	3	0.27	0.26	0.24	0.22	0.30
X020168	HSD17B10	IPI00017726.1	642	10	8	9	0.22	0.22	0.21	0.26	0.23
X020168	HSD17B11	IPI00329598.2	69	3	2	2	0.16	0.11	0.14	0.19	0.14
X020168	HSP90AA1	IPI00382470.3	816	25	14	17	0.30	0.34	0.28	0.41	0.34
X020168	HSP90B1	IPI00027230.3	941	22	18	18	0.21	0.23	0.20	0.32	0.22
X020168	HSPD1	IPI00784154.1	1631	36	25	29	0.23	0.25	0.22	0.34	0.24
X020168	HSPE1	IPI00220362.5	279	10	8	10	0.07	0.07	0.06	0.11	0.07
X020168	HYOU1	IPI00000877.1	428	11	6	6	0.18	0.19	0.16	0.26	0.18
X020168	IDH2	IPI00011107.2	242	10	4	4	0.18	0.20	0.13	0.23	0.19
X020168	IDH3A	IPI00030702.1	153	5	2	2	0.18	0.16	0.16	0.19	0.15
X020168	IGF2BP1	IPI00008557.5	529	15	12	12	0.13	0.13	0.14	0.21	0.16
X020168	IGF2BP2	IPI00179713.6	173	6	2	2	0.19	0.15	0.19	0.27	0.19
X020168	ILF2	IPI00872107.1	385	8	7	8	0.17	0.16	0.15	0.23	0.16
X020168	JTV1	IPI00011916.1	265	8	5	5	0.31	0.35	0.32	0.39	0.35
X020168	KHDRBS1	IPI00008575.3	336	14	11	11	0.31	0.27	0.36	0.33	0.34
X020168	LBR	IPI00292135.1	153	8	4	4	0.20	0.24	0.22	0.28	0.24
X020168	LETM1	IPI00017592.1	193	5	4	4	0.34	0.31	0.33	0.38	0.36
X020168	LMAN1	IPI00026530.4	146	5	2	2	0.24	0.26	0.22	0.29	0.22
X020168	LOC44249	IPI00554481.1	204	7	5	5	0.19	0.20	0.15	0.22	0.19
X020168	LOC65078	IPI00887241.1	135	4	3	4	0.28	0.32	0.28	0.35	0.30
X020168	LOC65418	IPI00887678.1	557	18	9	13	0.18	0.20	0.17	0.23	0.18
X020168	LOC72865	IPI00398964.2	429	14	9	9	0.11	0.15	0.11	0.15	0.12
X020168	LONP1	IPI00005158.1	307	11	4	4	0.32	0.28	0.25	0.34	0.29
X020168	LRPPRC	IPI00783271.1	703	16	11	11	0.26	0.26	0.23	0.35	0.26
X020168	LSM12	IPI00867714.1	83	2	2	2	0.29	0.30	0.30	0.32	0.37
X020168	LSM2	IPI00032460.3	148	2	2	2	0.12	0.15	0.13	0.17	0.14

X020168	LSM3	IPI00219229.3	113	4	2	2	0.16	0.16	0.14	0.20	0.15
X020168	LSM8	IPI00219871.5	139	4	2	2	0.26	0.23	0.21	0.30	0.24
X020168	LYAR	IPI00015838.3	290	9	7	7	0.31	0.32	0.31	0.30	0.30
X020168	M11S1	IPI00783872.2	319	8	4	4	0.37	0.33	0.36	0.35	0.39
X020168	M6PR	IPI00025049.1	103	4	2	2	0.15	0.18	0.11	0.15	0.12
X020168	MACROD1	IPI00155601.1	106	3	2	2	0.27	0.27	0.23	0.29	0.27
X020168	MAGOH	IPI00059292.3	247	7	6	6	0.18	0.19	0.18	0.21	0.18
X020168	MAP1B	IPI00008868.3	151	7	4	4	0.24	0.25	0.26	0.30	0.24
X020168	MAPRE1	IPI00017596.3	260	6	3	3	0.28	0.27	0.25	0.34	0.28
X020168	MBD3	IPI00439194.1	77	2	2	2	0.38	0.36	0.35	0.36	0.40
X020168	MBNL1	IPI00021692.2	102	3	3	3	0.19	0.20	0.17	0.24	0.20
X020168	MCM2	IPI00184330.5	381	10	7	7	0.29	0.29	0.28	0.37	0.29
X020168	MCM4	IPI00018349.5	259	10	4	5	0.22	0.26	0.22	0.32	0.25
X020168	MCM6	IPI00031517.1	551	18	12	12	0.25	0.27	0.24	0.31	0.27
X020168	MCTS1	IPI00645446.1	92	4	3	4	0.34	0.35	0.31	0.34	0.34
X020168	MDH2	IPI00291006.2	953	21	18	19	0.08	0.11	0.07	0.13	0.08
X020168	MOBKL1B	IPI00873106.1	89	2	2	2	0.11	0.09	0.09	0.15	0.10
X020168	MOV10	IPI00444452.3	193	7	4	4	0.37	0.30	0.34	0.37	0.35
X020168	MRPL11	IPI00007001.1	158	4	2	2	0.19	0.20	0.18	0.25	0.18
X020168	MRPL12	IPI00005537.2	108	2	2	2	0.16	0.16	0.16	0.18	0.14
X020168	MRPL39	IPI00084571.4	218	6	3	3	0.27	0.28	0.24	0.32	0.29
X020168	MRPL40	IPI00099871.1	124	5	3	3	0.31	0.34	0.31	0.35	0.34
X020168	MRPL48	IPI00295066.4	104	2	2	2	0.21	0.21	0.22	0.25	0.25
X020168	MRPL49	IPI00013195.1	60	2	2	2	0.28	0.28	0.30	0.33	0.29
X020168	MRPL53	IPI00061531.4	55	2	2	2	0.22	0.25	0.24	0.27	0.25
X020168	MRPS2	IPI00006970.2	46	2	2	2	0.15	0.17	0.18	0.25	0.15
X020168	MRPS23	IPI00032881.2	124	4	4	4	0.31	0.32	0.31	0.33	0.33
X020168	MSN	IPI00219365.3	749	26	15	16	0.25	0.29	0.24	0.37	0.26
X020168	MTCH2	IPI00003833.3	113	4	3	3	0.11	0.11	0.12	0.25	0.14
X020168	MUTED	IPI00171438.2	111	4	2	2	0.31	0.29	0.29	0.31	0.28
X020168	NARS	IPI00306960.3	354	9	8	8	0.24	0.26	0.22	0.31	0.26
X020168	NASP	IPI00332499.1	461	12	9	9	0.23	0.24	0.22	0.31	0.24
X020168	NDUFA6	IPI00419266.1	77	2	2	2	0.13	0.17	0.12	0.17	0.13
X020168	NDUFA9	IPI00003968.1	153	6	2	2	0.28	0.23	0.26	0.33	0.22
X020168	NDUFB10	IPI00479905.5	201	4	4	4	0.14	0.15	0.13	0.20	0.16
X020168	NDUFB5	IPI00013459.1	61	3	2	2	0.15	0.16	0.14	0.24	0.14
X020168	NDUFS2	IPI00025239.2	104	6	4	4	0.18	0.18	0.19	0.30	0.19
X020168	NDUFS3	IPI00025796.3	248	6	5	5	0.25	0.23	0.22	0.29	0.20
X020168	NDUFS8	IPI00010845.3	121	5	2	3	0.36	0.24	0.22	0.30	0.33
X020168	NDUFV2	IPI00646556.1	171	4	2	2	0.20	0.18	0.18	0.25	0.18

X020168	NHP2L1	IPI00893746.1	151	4	3	3	0.17	0.20	0.20	0.22	0.18
X020168	NME1-NM	IPI00604590.3	277	10	5	6	0.19	0.25	0.17	0.26	0.18
X020168	NMT1	IPI00329692.3	230	8	5	5	0.31	0.26	0.25	0.38	0.28
X020168	NOL7	IPI00007729.1	164	5	4	4	0.30	0.28	0.24	0.28	0.24
X020168	NPM1	IPI00549248.4	603	17	12	15	0.29	0.27	0.27	0.36	0.29
X020168	NUDC	IPI00550746.4	516	12	8	8	0.33	0.32	0.31	0.39	0.35
X020168	OLA1	IPI00916847.1	259	7	3	3	0.27	0.26	0.20	0.34	0.24
X020168	P4HB	IPI00010796.1	710	19	14	15	0.16	0.21	0.16	0.24	0.17
X020168	PA2G4	IPI00807557.1	763	26	14	17	0.14	0.15	0.12	0.20	0.14
X020168	PAICS	IPI00217223.1	660	14	11	12	0.23	0.24	0.20	0.30	0.22
X020168	PARP1	IPI00449049.5	2032	65	39	45	0.25	0.25	0.29	0.27	0.32
X020168	PCBP2	IPI00796337.1	401	8	5	5	0.23	0.23	0.22	0.29	0.23
X020168	PCNA	IPI00021700.3	101	4	2	2	0.30	0.31	0.21	0.28	0.25
X020168	PDCD5	IPI00908931.1	184	7	3	3	0.28	0.27	0.25	0.32	0.28
X020168	PDHB	IPI00003925.6	230	5	5	5	0.13	0.14	0.11	0.16	0.12
X020168	PDIA3	IPI00025252.1	1105	24	21	22	0.19	0.20	0.18	0.26	0.20
X020168	PDIA4	IPI00009904.1	503	16	7	7	0.20	0.22	0.21	0.27	0.23
X020168	PDIA6	IPI00299571.5	635	14	10	10	0.19	0.20	0.18	0.26	0.19
X020168	PFDN1	IPI00000051.4	58	2	2	2	0.26	0.24	0.22	0.30	0.22
X020168	PFDN2	IPI00006052.3	308	7	5	5	0.29	0.32	0.28	0.33	0.30
X020168	PFDN6	IPI00005657.1	230	6	4	4	0.22	0.24	0.20	0.27	0.23
X020168	PFN1	IPI00216691.5	344	9	5	7	0.07	0.08	0.05	0.11	0.06
X020168	PGD	IPI00747533.2	445	14	9	9	0.12	0.16	0.11	0.23	0.13
X020168	PGRMC1	IPI00220739.3	110	4	2	2	0.23	0.29	0.29	0.29	0.28
X020168	PHGDH	IPI00011200.5	735	14	12	12	0.25	0.27	0.24	0.33	0.27
X020168	PITPNB	IPI00395939.3	76	4	2	2	0.31	0.31	0.26	0.32	0.33
X020168	PMPCB	IPI00289535.6	98	2	2	2	0.26	0.29	0.22	0.28	0.28
X020168	POLR2L	IPI00003311.1	97	3	2	2	0.28	0.26	0.22	0.31	0.24
X020168	PPA1	IPI00015018.1	270	7	5	5	0.23	0.24	0.22	0.28	0.23
X020168	PPIB	IPI00646304.4	642	21	14	17	0.25	0.24	0.26	0.26	0.25
X020168	PPIF	IPI00026519.1	78	4	2	2	0.18	0.20	0.16	0.22	0.19
X020168	PRDX2	IPI00027350.3	485	12	8	8	0.17	0.24	0.16	0.20	0.18
X020168	PRKCSH	IPI00026154.3	353	13	7	7	0.20	0.19	0.17	0.21	0.17
X020168	PSMA2	IPI00219622.3	151	5	2	2	0.19	0.28	0.22	0.24	0.22
X020168	PSMA3	IPI00419249.5	328	9	7	7	0.22	0.25	0.18	0.23	0.19
X020168	PSMA4	IPI00299155.5	286	10	5	5	0.20	0.27	0.19	0.25	0.20
X020168	PSMA5	IPI00291922.2	98	3	2	2	0.21	0.28	0.18	0.24	0.23
X020168	PSMA6	IPI00029623.1	361	7	6	6	0.20	0.27	0.20	0.23	0.21
X020168	PSMA7	IPI00024175.3	346	8	4	4	0.20	0.29	0.17	0.25	0.21
X020168	PSMB2	IPI00028006.1	203	6	4	5	0.22	0.28	0.19	0.26	0.22

X020168	PSMB6	IPI00000811.2	195	4	4	4	0.23	0.29	0.20	0.23	0.25
X020168	PSMB7	IPI00003217.3	157	4	4	4	0.17	0.21	0.16	0.20	0.17
X020168	PSMC1	IPI00011126.6	191	5	3	3	0.23	0.23	0.22	0.28	0.23
X020168	PSMC2	IPI00021435.3	429	11	8	8	0.21	0.26	0.21	0.33	0.26
X020168	PSMC6	IPI00021926.3	291	7	4	4	0.25	0.27	0.23	0.30	0.26
X020168	PSMD11	IPI00105598.3	333	8	6	6	0.24	0.22	0.22	0.30	0.23
X020168	PSMD13	IPI00375380.4	323	9	5	5	0.18	0.21	0.17	0.26	0.20
X020168	PSMD3	IPI00011603.2	457	12	5	5	0.21	0.23	0.20	0.30	0.21
X020168	PSMD4	IPI00216247.2	121	2	2	2	0.20	0.17	0.19	0.29	0.21
X020168	PSMD6	IPI00014151.3	131	4	3	3	0.26	0.29	0.26	0.37	0.30
X020168	PSMG2	IPI00644482.1	193	6	3	3	0.27	0.28	0.25	0.35	0.28
X020168	PTBP1	IPI00183626.8	438	11	5	6	0.25	0.27	0.25	0.31	0.29
X020168	PTMA	IPI00827535.1	111	2	2	2	0.22	0.21	0.20	0.19	0.26
X020168	PTMS	IPI00783736.1	111	2	2	2	0.34	0.31	0.31	0.35	0.33
X020168	PTPLAD1	IPI00008998.3	149	5	3	3	0.35	0.38	0.38	0.44	0.48
X020168	QKI	IPI00410118.1	70	3	2	2	0.24	0.22	0.21	0.29	0.21
X020168	RAB10	IPI00016513.5	188	6	6	6	0.14	0.16	0.12	0.19	0.11
X020168	RAB11B	IPI00020436.4	358	9	6	6	0.12	0.16	0.11	0.17	0.13
X020168	RAB1A	IPI00005719.1	91	3	2	3	0.19	0.18	0.15	0.21	0.15
X020168	RAB1B	IPI00008964.3	280	8	3	3	0.16	0.21	0.14	0.21	0.15
X020168	RAB2A	IPI00873632.1	220	4	3	3	0.17	0.26	0.14	0.21	0.17
X020168	RAB5C	IPI00016339.4	267	6	4	4	0.22	0.22	0.16	0.26	0.19
X020168	RALY	IPI00011268.2	387	11	8	8	0.17	0.18	0.17	0.22	0.18
X020168	RAN	IPI00792352.1	373	9	7	7	0.15	0.18	0.13	0.21	0.15
X020168	RANBP1	IPI00878611.1	142	6	2	2	0.12	0.14	0.11	0.20	0.13
X020168	RBBP4	IPI00328319.8	370	9	4	4	0.20	0.20	0.32	0.26	0.24
X020168	RBM8A	IPI00001757.1	167	4	4	4	0.26	0.24	0.24	0.28	0.24
X020168	RCC1	IPI00001661.3	179	5	2	2	0.19	0.19	0.12	0.22	0.14
X020168	RHOA	IPI00478231.2	215	6	5	5	0.17	0.20	0.14	0.19	0.17
X020168	RHOG	IPI00017342.1	44	2	2	2	0.20	0.20	0.17	0.24	0.21
X020168	RNH1	IPI00550069.3	509	11	7	7	0.14	0.19	0.13	0.22	0.15
X020168	RPL10A	IPI00827508.2	506	17	8	11	0.17	0.18	0.17	0.20	0.16
X020168	RPL11	IPI00376798.3	127	5	2	2	0.30	0.33	0.29	0.26	0.31
X020168	RPL12	IPI00024933.3	601	15	9	9	0.17	0.19	0.17	0.21	0.17
X020168	RPL13	IPI00465361.4	397	14	7	8	0.29	0.28	0.25	0.31	0.27
X020168	RPL14	IPI00555744.6	264	9	4	4	0.19	0.20	0.17	0.21	0.18
X020168	RPL18	IPI00215719.6	330	9	6	6	0.28	0.28	0.26	0.33	0.31
X020168	RPL18A	IPI00472864.2	347	8	7	7	0.12	0.10	0.10	0.14	0.10
X020168	RPL23A	IPI00789159.1	192	4	3	3	0.17	0.16	0.16	0.14	0.12
X020168	RPL30	IPI00219156.7	260	7	5	7	0.21	0.24	0.23	0.25	0.25

X020168	RPL36	IPI00216237.5	85	3	2	2	0.24	0.25	0.21	0.29	0.26
X020168	RPL38	IPI00215790.6	140	7	2	3	0.25	0.27	0.24	0.26	0.24
X020168	RPL5	IPI00000494.6	486	18	8	9	0.20	0.21	0.16	0.20	0.18
X020168	RPL7	IPI00872387.1	422	12	9	9	0.12	0.14	0.14	0.17	0.13
X020168	RPLP0-LIK	IPI00871646.1	595	17	13	14	0.22	0.24	0.22	0.26	0.22
X020168	RPN1	IPI00025874.2	648	17	13	13	0.30	0.34	0.27	0.36	0.32
X020168	RPN2	IPI00028635.4	244	5	4	4	0.23	0.26	0.21	0.35	0.27
X020168	RPS10	IPI00478810.1	439	23	10	13	0.27	0.26	0.24	0.33	0.25
X020168	RPS12	IPI00847579.1	360	10	7	8	0.24	0.26	0.26	0.26	0.27
X020168	RPS13	IPI00221089.5	359	14	8	9	0.19	0.18	0.17	0.21	0.17
X020168	RPS14	IPI00026271.5	276	6	5	5	0.28	0.28	0.29	0.30	0.30
X020168	RPS15	IPI00479058.2	81	5	2	3	0.26	0.25	0.23	0.26	0.25
X020168	RPS15A	IPI00221091.9	337	10	8	9	0.11	0.11	0.11	0.14	0.10
X020168	RPS17	IPI00791157.1	213	9	5	5	0.23	0.24	0.24	0.26	0.23
X020168	RPS19	IPI00215780.5	456	15	10	13	0.23	0.22	0.23	0.26	0.24
X020168	RPS20	IPI00794659.1	216	8	3	5	0.29	0.29	0.29	0.34	0.32
X020168	RPS21	IPI00387084.1	330	12	5	6	0.23	0.29	0.23	0.29	0.23
X020168	RPS25	IPI00012750.3	141	4	2	2	0.13	0.12	0.13	0.13	0.09
X020168	RPS3A	IPI00472119.2	752	25	16	18	0.23	0.25	0.21	0.24	0.21
X020168	RPS5	IPI00008433.4	400	12	7	8	0.29	0.29	0.29	0.33	0.31
X020168	RPS7	IPI00013415.1	343	10	8	10	0.15	0.17	0.17	0.18	0.15
X020168	RPSA	IPI00413108.4	705	16	9	11	0.31	0.32	0.31	0.34	0.32
X020168	RTCD1	IPI00221327.1	144	4	3	3	0.23	0.28	0.24	0.26	0.22
X020168	RTN3	IPI00743293.2	113	3	2	2	0.25	0.28	0.24	0.32	0.24
X020168	RUVBL2	IPI00009104.7	732	18	14	14	0.29	0.29	0.28	0.35	0.31
X020168	S100P	IPI00017526.1	145	3	2	2	0.27	0.29	0.25	0.28	0.26
X020168	SACM1L	IPI00022275.6	82	2	2	2	0.15	0.12	0.12	0.21	0.15
X020168	SAE1	IPI00033130.3	220	6	2	2	0.12	0.22	0.13	0.21	0.14
X020168	SAMSN1	IPI00339277.1	49	2	2	2	0.28	0.32	0.36	0.37	0.34
X020168	SAR1A	IPI00015954.1	111	3	2	2	0.12	0.14	0.11	0.18	0.11
X020168	SARS	IPI00514587.1	208	8	6	6	0.20	0.21	0.17	0.25	0.21
X020168	SBDS	IPI00427330.3	273	7	6	6	0.30	0.29	0.27	0.34	0.31
X020168	SCYE1	IPI00793201.1	205	6	2	2	0.32	0.34	0.33	0.35	0.37
X020168	SDF2L1	IPI00106642.4	199	6	3	3	0.21	0.23	0.20	0.25	0.20
X020168	SEC11A	IPI00790799.1	58	3	3	3	0.15	0.14	0.10	0.17	0.14
X020168	SEC22B	IPI00006865.3	296	8	5	5	0.26	0.26	0.21	0.31	0.25
X020168	SEC61B	IPI00220835.7	130	4	2	3	0.27	0.23	0.22	0.27	0.23
X020168	SERBP1	IPI00410693.3	610	13	12	12	0.23	0.21	0.26	0.24	0.25
X020168	SERPINH	IPI00032140.4	324	8	6	7	0.24	0.25	0.23	0.34	0.25
X020168	SET	IPI00072377.1	391	8	6	6	0.24	0.18	0.15	0.22	0.19

X020168	SFRS1	IPI00218591.2	559	16	9	9	0.25	0.29	0.27	0.32	0.29
X020168	SFRS10	IPI00555647.3	232	6	4	4	0.09	0.14	0.10	0.14	0.11
X020168	SFRS3	IPI00010204.1	203	10	6	6	0.24	0.25	0.28	0.29	0.27
X020168	SFRS5	IPI00915825.1	133	4	3	3	0.35	0.36	0.40	0.44	0.44
X020168	SFRS9	IPI00012340.1	225	7	4	4	0.17	0.15	0.16	0.22	0.16
X020168	SFXN1	IPI00009368.4	87	4	3	3	0.21	0.19	0.22	0.27	0.17
X020168	SHMT2	IPI00789370.1	725	21	15	16	0.20	0.21	0.19	0.28	0.20
X020168	SLC16A1	IPI00024650.1	109	4	3	3	0.28	0.24	0.29	0.33	0.29
X020168	SLC1A5	IPI00019472.4	292	6	6	6	0.17	0.15	0.13	0.19	0.14
X020168	SLC25A1	IPI00294159.3	248	6	5	5	0.16	0.17	0.14	0.20	0.16
X020168	SLC25A11	IPI00219729.3	91	4	2	2	0.22	0.23	0.20	0.28	0.19
X020168	SLC25A21	IPI00012690.1	94	2	2	2	0.19	0.17	0.13	0.21	0.15
X020168	SLC25A24	IPI00337494.7	120	4	3	3	0.28	0.30	0.23	0.34	0.25
X020168	SLC25A3	IPI00022202.3	436	15	10	11	0.21	0.25	0.23	0.27	0.24
X020168	SLC25A6	IPI00291467.7	171	3	2	2	0.32	0.29	0.30	0.34	0.33
X020168	SLC39A7	IPI00021888.5	57	2	2	2	0.19	0.24	0.22	0.26	0.20
X020168	SLC4A1	IPI00791534.1	105	4	3	3	0.22	0.14	0.20	0.40	0.38
X020168	SLC7A5	IPI00008986.1	224	4	2	2	0.28	0.31	0.29	0.39	0.35
X020168	SNAP29	IPI00032831.4	80	3	2	2	0.14	0.15	0.11	0.21	0.16
X020168	SND1	IPI00140420.4	888	19	14	16	0.16	0.17	0.13	0.25	0.17
X020168	SNRPD3	IPI00879750.1	171	8	4	5	0.28	0.29	0.31	0.31	0.28
X020168	SNRPF	IPI00220528.6	216	8	3	5	0.23	0.23	0.23	0.26	0.21
X020168	SPCS2	IPI00472939.2	130	4	3	3	0.22	0.22	0.17	0.29	0.20
X020168	SPCS3	IPI00300299.6	141	4	2	2	0.14	0.18	0.11	0.23	0.15
X020168	SPN	IPI00027430.1	67	2	2	2	0.29	0.22	0.21	0.33	0.23
X020168	SPTA1	IPI00220741.6	104	3	2	2	0.39	0.35	0.34	0.45	0.46
X020168	SPTB	IPI00914949.1	118	5	2	2	0.15	0.15	0.11	0.24	0.18
X020168	SRP14	IPI00293434.2	319	8	7	7	0.31	0.30	0.30	0.30	0.29
X020168	SRP19	IPI00295889.2	158	3	2	2	0.25	0.22	0.24	0.29	0.29
X020168	SSBP1	IPI00029744.1	320	6	6	6	0.12	0.12	0.11	0.17	0.13
X020168	ST13	IPI00032826.1	240	5	3	3	0.31	0.27	0.29	0.36	0.33
X020168	STAU1	IPI00000001.2	140	3	3	3	0.26	0.27	0.26	0.36	0.29
X020168	STMN1	IPI00479997.4	259	8	5	5	0.18	0.19	0.18	0.29	0.22
X020168	STT3A	IPI00297492.2	336	14	5	5	0.35	0.39	0.30	0.45	0.41
X020168	TAGLN2	IPI00647915.1	414	12	8	10	0.22	0.24	0.18	0.27	0.22
X020168	TALDO1	IPI00744692.1	547	16	10	10	0.10	0.14	0.08	0.13	0.09
X020168	TARDBP	IPI00025815.2	319	6	4	4	0.16	0.19	0.13	0.23	0.19
X020168	TBL2	IPI00000948.3	186	7	2	2	0.28	0.32	0.33	0.36	0.33
X020168	TFB1M	IPI00291525.1	116	4	2	2	0.28	0.21	0.23	0.32	0.25
X020168	TFRC	IPI00022462.2	449	12	7	7	0.27	0.30	0.25	0.32	0.29

X020168	THOC4	IPI00328840.9	314	6	3	3	0.26	0.22	0.26	0.23	0.27
X020168	THOC6	IPI00328985.1	126	3	2	2	0.31	0.33	0.36	0.34	0.38
X020168	THYN1	IPI00383163.5	152	6	5	5	0.26	0.25	0.24	0.26	0.22
X020168	TIMM44	IPI00306516.1	405	10	5	6	0.31	0.28	0.26	0.36	0.30
X020168	TIMM8A	IPI00028376.1	127	3	3	3	0.17	0.25	0.17	0.19	0.18
X020168	TMED10	IPI00028055.4	178	5	3	4	0.15	0.19	0.11	0.22	0.15
X020168	TMED2	IPI00016608.1	176	9	3	5	0.11	0.14	0.09	0.13	0.10
X020168	TMEM33	IPI00299084.1	270	9	5	6	0.34	0.31	0.30	0.37	0.37
X020168	TOMM20	IPI00016676.1	68	2	2	2	0.14	0.14	0.13	0.18	0.14
X020168	TOMM70A	IPI00015602.1	155	6	4	4	0.24	0.25	0.24	0.33	0.27
X020168	TPM4	IPI00010779.4	162	6	2	2	0.24	0.28	0.26	0.35	0.23
X020168	TRAP1	IPI00030275.5	513	15	8	9	0.20	0.19	0.18	0.33	0.23
X020168	TRAPPC3	IPI00004324.1	99	3	2	2	0.14	0.18	0.13	0.23	0.14
X020168	TSG101	IPI00018434.1	114	4	2	2	0.26	0.33	0.29	0.31	0.37
X020168	TSN	IPI00018768.1	197	4	4	4	0.27	0.30	0.26	0.31	0.29
X020168	TUFM	IPI00027107.5	913	21	15	17	0.16	0.16	0.14	0.23	0.16
X020168	UBA2	IPI00023234.3	252	7	4	4	0.19	0.23	0.19	0.26	0.19
X020168	UBE2I	IPI00450472.3	115	3	3	3	0.15	0.15	0.13	0.19	0.14
X020168	UBE2K	IPI00021370.1	112	4	2	2	0.22	0.24	0.17	0.25	0.17
X020168	UBE2M	IPI00022597.1	150	4	4	4	0.20	0.18	0.17	0.24	0.17
X020168	UBE2N	IPI00003949.1	204	5	3	3	0.16	0.20	0.15	0.21	0.15
X020168	UQCRB	IPI00220416.3	138	3	2	2	0.09	0.11	0.07	0.12	0.09
X020168	UQCRC1	IPI00013847.4	167	5	3	3	0.23	0.23	0.22	0.29	0.28
X020168	UQCRH	IPI00296022.1	66	2	2	2	0.23	0.23	0.19	0.29	0.23
X020168	UQCRQ	IPI00024742.7	60	2	2	2	0.20	0.15	0.18	0.25	0.17
X020168	USP10	IPI00291946.8	143	3	2	2	0.30	0.24	0.28	0.32	0.25
X020168	USP14	IPI00872664.1	269	10	3	3	0.22	0.28	0.20	0.30	0.22
X020168	VAMP7	IPI00013236.3	49	2	2	2	0.32	0.27	0.25	0.34	0.27
X020168	VAPA	IPI00374657.2	298	12	7	7	0.10	0.11	0.10	0.16	0.12
X020168	VAPB	IPI00006211.4	142	4	4	4	0.21	0.22	0.19	0.25	0.20
X020168	VASP	IPI00902584.1	280	6	5	5	0.25	0.22	0.20	0.31	0.22
X020168	VAT1	IPI00156689.3	76	2	2	2	0.13	0.15	0.10	0.17	0.11
X020168	VBP1	IPI00334159.6	248	6	5	5	0.25	0.32	0.26	0.32	0.28
X020168	VIM	IPI00418471.6	993	23	19	21	0.22	0.24	0.19	0.30	0.21
X020168	VPS26A	IPI00411426.3	94	6	2	2	0.30	0.35	0.28	0.37	0.32
X020168	VTN	IPI00298971.1	95	3	2	2	0.28	0.30	0.27	0.31	0.29
X020168	WARS	IPI00295400.1	461	10	8	8	0.11	0.13	0.11	0.19	0.13
X020168	XRCC6	IPI00644712.4	601	19	11	13	0.33	0.32	0.31	0.40	0.46
X020168	YARS	IPI00007074.5	834	23	18	18	0.30	0.30	0.26	0.38	0.30
X020168	YWHAB	IPI00216318.5	122	4	2	2	0.24	0.29	0.21	0.31	0.23

X020168	YWHAE	IPI00000816.1	648	19	10	12	0.17	0.27	0.16	0.24	0.17
X020168	YWHAG	IPI00220642.7	295	10	3	3	0.13	0.15	0.09	0.21	0.11
X020168	YWHAQ	IPI00018146.1	185	3	3	3	0.21	0.26	0.19	0.28	0.22
X020168	PRPF38B	IPI00018098.4	524	14	11	12	0.42	0.51	0.78	0.64	0.84
X020168	NQO2	IPI00219129.9	488	10	7	9	0.49	0.63	0.75	0.84	0.73
X020168	A2M	IPI00478003.1	1955	47	22	24	1.02	0.94	0.95	0.96	1.03
X020168	ACAA2	IPI00873829.1	418	12	10	10	0.81	0.79	0.81	0.79	0.82
X020168	ACAD8	IPI00747159.1	388	10	8	8	0.74	0.74	0.73	0.77	0.73
X020168	AGL	IPI00328318.7	1012	32	24	25	0.82	0.77	0.75	0.82	0.77
X020168	AHNAK	IPI00021812.2	350	14	4	4	0.84	0.85	0.83	0.85	0.93
X020168	ALDH7A1	IPI00221234.7	406	8	4	4	0.77	0.84	0.70	0.74	0.76
X020168	ARG1	IPI00398768.1	318	10	6	7	0.81	1.99	0.70	0.67	1.24
X020168	BOLA2	IPI00301434.4	243	7	4	4	0.80	0.83	0.87	0.91	0.85
X020168	C12ORF10	IPI00029444.1	860	23	14	19	0.72	0.73	0.71	0.72	0.68
X020168	C4B	IPI00418163.3	183	8	3	3	0.73	0.74	0.68	0.74	0.72
X020168	CAD	IPI00301263.2	6463	210	96	144	1.03	0.98	1.01	0.98	1.00
X020168	CALD1	IPI00014516.1	193	6	3	3	0.84	0.66	0.70	0.75	0.83
X020168	CAPZA2	IPI00026182.5	331	5	4	4	0.74	0.81	0.66	0.80	0.75
X020168	CASP14	IPI00013885.1	541	15	10	11	0.97	2.16	0.68	0.99	1.23
X020168	CD5L	IPI00025204.1	46	4	2	2	1.09	0.91	0.84	0.93	0.85
X020168	CKAP4	IPI00141318.2	363	7	5	5	0.71	0.80	0.89	0.69	0.87
X020168	CPSF6	IPI00030654.1	586	18	9	12	0.71	0.82	0.85	0.67	0.66
X020168	CRKL	IPI00004839.1	825	24	15	20	0.77	0.80	0.77	0.83	0.80
X020168	CSH1	IPI00025785.2	404	12	6	9	0.83	0.84	0.81	0.87	0.82
X020168	CSRP2	IPI00002824.7	247	11	6	6	0.81	0.85	0.73	0.87	0.84
X020168	CSTB	IPI00021828.1	251	8	3	3	0.97	0.87	0.88	0.98	0.93
X020168	CTPS	IPI00290142.5	627	15	8	8	0.73	0.75	0.73	0.83	0.75
X020168	CYP19A1	IPI00879236.1	318	10	4	4	0.92	0.91	0.85	0.97	0.82
X020168	DCD	IPI00847793.1	295	8	6	7	1.58	1.79	1.28	1.42	1.03
X020168	DCK	IPI00020454.1	910	33	14	22	1.05	1.06	0.89	1.00	0.90
X020168	DGUOK	IPI00004461.2	113	5	4	4	0.72	0.76	0.73	0.82	0.76
X020168	DHFR	IPI00887771.1	1046	72	13	37	1.07	1.07	1.16	1.14	1.18
X020168	DNAJC10	IPI00293260.5	908	23	17	19	0.98	0.99	0.95	1.01	0.96
X020168	DNPEP	IPI00015856.4	512	13	7	7	0.69	0.70	0.70	0.71	0.66
X020168	DSC1	IPI00386975.2	379	7	5	5	0.92	0.85	0.67	0.75	0.93
X020168	DSG1	IPI00025753.1	783	18	14	16	1.01	1.11	0.73	0.86	0.81
X020168	FABP5	IPI00007797.3	395	12	7	8	0.74	4.65	0.80	0.71	0.68
X020168	FASN	IPI00026781.2	2589	64	46	48	0.75	0.78	0.71	0.76	0.76
X020168	FBLN1	IPI00889740.1	317	7	3	3	1.12	1.16	1.13	1.35	1.09
X020168	FLG	IPI00026256.2	170	4	4	4	1.39	3.32	0.91	0.90	0.93

X020168	FLG2	IPI00397801.4	319	9	8	9	1.09	1.86	0.79	1.01	1.04
X020168	FLJ11151	IPI00305010.3	275	7	5	5	0.69	0.79	0.65	0.78	0.74
X020168	FLJ12529	IPI00915356.1	499	12	11	11	0.68	0.82	0.87	0.66	0.66
X020168	FN3KRP	IPI00099986.5	266	12	6	8	0.72	0.75	0.73	0.80	0.71
X020168	GART	IPI00025273.1	3792	162	51	110	1.08	1.11	1.06	0.95	1.02
X020168	GCDH	IPI00024317.1	506	16	9	11	0.74	0.73	0.73	0.75	0.73
X020168	GGCT	IPI00031564.1	288	5	5	5	0.85	1.24	0.78	0.89	0.91
X020168	GLOD4	IPI00007102.3	311	11	6	6	0.73	0.70	0.68	0.78	0.68
X020168	GLUL	IPI00010130.3	672	19	15	16	0.86	0.93	0.86	0.82	0.84
X020168	GSDMA	IPI00166200.4	165	5	4	4	1.86	1.57	0.79	1.38	1.06
X020168	GSR	IPI00016862.1	491	12	7	7	0.71	0.72	0.71	0.75	0.78
X020168	GSTM3	IPI00246975.8	156	5	3	3	0.76	0.84	0.83	0.79	0.71
X020168	HDAC6	IPI00005711.4	406	9	7	7	0.76	0.69	0.67	0.77	0.75
X020168	HSD11B2	IPI00300050.3	207	5	4	4	0.72	0.68	0.77	0.74	0.81
X020168	HSD17B4	IPI00909582.1	2404	75	39	62	1.10	1.02	0.97	1.07	1.02
X020168	HSD3B1	IPI00246994.6	174	6	3	3	0.86	0.91	0.89	0.94	0.96
X020168	HTATSF1	IPI00013788.1	276	14	3	3	0.78	0.82	0.86	0.75	0.82
X020168	IGJ	IPI00178926.2	62	2	2	2	0.72	0.81	0.71	1.05	0.69
X020168	IMPDH1	IPI00375527.4	1159	34	16	22	0.79	1.00	1.02	1.01	1.00
X020168	IMPDH2	IPI00291510.3	2328	104	30	75	0.89	1.01	1.11	1.10	1.16
X020168	INPP5K	IPI00374574.2	118	4	2	2	0.94	1.01	0.99	0.98	0.95
X020168	IQGAP2	IPI00299048.6	284	11	4	4	0.79	0.68	0.70	0.88	0.90
X020168	KIAA0664	IPI00024425.5	455	13	7	7	0.85	0.79	0.75	0.87	0.71
X020168	KLHL23	IPI00062213.4	76	2	2	2	0.89	0.82	0.73	0.80	0.79
X020168	KNG1	IPI00032328.2	257	7	3	3	0.87	0.87	0.77	1.03	0.84
X020168	LGALS3BF	IPI00023673.1	489	12	9	10	0.72	0.74	0.72	0.77	0.71
X020168	LOC28488	IPI00293276.10	138	9	3	4	0.91	0.80	0.72	0.89	0.71
X020168	LPCAT1	IPI00171626.3	68	2	2	2	0.84	0.83	0.69	0.76	0.66
X020168	MCCC1	IPI00024580.4	312	9	4	4	0.81	0.80	0.73	0.86	0.74
X020168	MKRN1	IPI00033350.3	100	2	2	2	0.86	0.96	0.85	0.83	0.84
X020168	MKRN2	IPI00396406.6	738	27	18	21	0.77	0.78	0.76	0.81	0.79
X020168	MSRB3	IPI00479793.2	92	4	3	3	0.83	0.75	0.83	0.85	0.86
X020168	NCKAP1	IPI00409684.2	265	6	3	3	0.66	0.68	0.70	0.78	0.73
X020168	NUDT1	IPI00004392.2	408	9	6	7	0.95	1.03	1.03	0.98	0.93
X020168	NUP155	IPI00026625.1	1381	30	23	23	0.82	0.80	0.78	0.85	0.83
X020168	OLFM4	IPI00022255.1	382	9	5	5	0.79	0.84	0.78	0.82	0.79
X020168	OPA1	IPI00107753.2	956	22	15	15	0.76	0.79	0.81	0.84	0.84
X020168	P11	IPI00795429.1	1008	54	18	32	1.04	1.04	1.04	1.02	0.98
X020168	PARS2	IPI00553006.1	275	8	3	3	0.73	0.77	0.69	0.72	0.69
X020168	PC	IPI00299402.1	2563	68	47	54	0.97	0.92	0.97	0.93	0.93

X020168	PCBD1	IPI00218568.7	559	27	8	14	0.95	0.93	0.92	0.90	0.88
X020168	PCBD2	IPI00329646.4	394	10	6	8	0.99	0.97	0.98	0.98	0.95
X020168	PCCA	IPI00796978.3	3110	96	49	74	0.99	1.00	1.02	0.97	0.97
X020168	PCCB	IPI00007247.4	1602	47	25	36	0.98	0.96	0.97	0.88	0.83
X020168	PDE10A	IPI00215786.3	1185	28	21	22	0.69	0.66	0.69	0.67	0.68
X020168	PDXK	IPI00013004.1	526	13	9	10	0.82	0.90	0.85	0.88	0.82
X020168	PFN2	IPI00219468.4	285	5	2	2	0.88	0.82	0.89	0.90	0.91
X020168	PI4K2B	IPI00291068.3	281	8	6	6	0.83	0.70	0.72	0.77	0.65
X020168	PLG	IPI00019580.1	1309	36	25	27	0.84	0.87	0.83	0.80	0.85
X020168	PPIL4	IPI00642862.1	545	12	10	10	0.72	0.86	0.86	0.72	0.70
X020168	PPP4C	IPI00012833.1	168	5	4	4	0.77	0.90	0.70	0.71	0.81
X020168	PRKDC	IPI00296337.2	3342	96	66	68	0.70	0.66	0.67	0.72	0.69
X020168	PROSC	IPI00016346.1	255	8	6	6	0.81	0.79	0.75	0.83	0.76
X020168	PSG3	IPI00002903.3	81	2	2	2	0.74	0.86	0.75	0.80	0.76
X020168	PSME1	IPI00748256.2	543	13	10	10	0.65	0.67	0.68	0.67	0.67
X020168	PTER	IPI00100933.1	457	11	9	9	0.79	0.79	0.74	0.78	0.79
X020168	PUF60	IPI00069750.2	1300	36	22	30	0.85	0.92	1.00	0.80	0.74
X020168	PZP	IPI00025426.2	180	6	5	5	0.80	0.80	0.79	0.81	0.87
X020168	Q9UL88_H	IPI00783024.1	164	2	2	2	1.11	1.19	1.26	1.05	1.11
X020168	RABGGTB	IPI00295849.3	198	5	2	2	0.76	0.79	0.72	0.83	0.75
X020168	S100A14	IPI00010214.1	85	2	2	2	1.07	1.97	0.67	0.85	0.87
X020168	S100A7	IPI00219806.7	233	10	3	6	1.23	21.55	0.50	0.53	0.92
X020168	S100A8	IPI00007047.1	260	10	8	10	0.71	12.57	0.49	0.58	0.55
X020168	SEC16A	IPI00641384.2	271	10	6	6	0.73	0.77	0.66	0.76	0.69
X020168	SEC23A	IPI00017375.2	371	10	7	7	0.68	0.67	0.66	0.71	0.65
X020168	SEC24C	IPI00024661.4	794	18	14	14	0.74	0.70	0.69	0.74	0.70
X020168	SERPINB2	IPI00007117.1	378	10	6	7	0.80	0.78	0.75	0.88	0.78
X020168	SERPINC1	IPI00032179.2	111	4	3	3	0.77	0.71	0.78	0.86	0.76
X020168	SF3B1	IPI00026089.3	1175	29	20	21	0.72	0.70	0.79	0.65	0.72
X020168	SKIV2L2	IPI00647217.2	497	17	11	11	0.68	0.70	0.66	0.67	0.67
X020168	SMARCC1	IPI00234252.3	348	11	5	5	0.67	0.74	0.74	0.72	0.72
X020168	TF	IPI00022463.1	1203	24	20	21	0.78	0.79	0.70	0.82	0.76
X020168	TGM3	IPI00300376.4	625	15	9	9	1.10	1.95	0.75	1.06	0.93
X020168	TPPP3	IPI00306413.3	147	3	3	3	0.88	0.88	0.78	0.83	0.85
X020168	TRIM25	IPI00029629.3	677	17	12	12	0.69	0.72	0.68	0.93	0.71
X020168	TRIM59	IPI00432462.2	172	7	2	2	0.79	0.80	0.94	0.95	0.80
X020168	TWISTNB	IPI00005477.3	138	4	2	2	0.74	0.71	0.85	0.65	0.65
X020168	TXN	IPI00216298.6	287	10	5	7	0.85	0.93	0.81	0.98	0.87
X020168	TYMS	IPI00221108.5	273	7	2	2	0.93	1.04	0.91	0.91	1.06
X020168	USP24	IPI00902614.2	279	10	5	5	0.83	0.78	0.79	0.82	0.74

X020168	USP9X	IPI00221012.7	231	11	4	4	0.87	0.80	0.82	0.87	0.82
X020168	XTP3TPA	IPI00012197.1	437	8	7	7	0.73	0.76	0.76	0.78	0.80
X020168	ZC3H11A	IPI00328306.9	1978	58	32	35	1.00	1.00	0.95	0.94	0.95
X020168	ZC3H14	IPI00903256.1	1370	40	22	23	0.89	0.91	0.90	0.88	0.90
X020168	ZC3H4	IPI00187011.4	265	7	4	5	0.75	0.77	0.77	0.68	0.82
X020168	ZC3H8	IPI00307760.7	370	12	8	8	1.04	1.06	1.03	1.01	1.04

TMT129L	Hill	IC50	pIC50
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
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1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	0.52	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	0.53	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81
1.00	1.00	≤ 0.16	≥ 6.81

1.00	NA	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	0.60	≥ 40	≤ 4.40
1.00	NA	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40

1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	NA	≥ 40	≤ 4.40
1.00	1.00	≥ 40	≤ 4.40
1.00	NA	≥ 40	≤ 4.40

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Proteins identified with Compound 5-matrix in lysates from HEK293 cells, K562 cells, and placenta tissue. Generated IC50 values for test compound Compound 6

Abbreviations: SSM; number of spectrum-to-sequence matches, UPM; unique peptide matches, NA; not available

Experiment ID	Protein Name	IPI accession number	Mascot Score	SSM	UPM	SSM used for quantification	abundance relative to vehicle				
							TMT126	TMT127L	TMT127H	TMT128L	TMT128H
X020169	FABP5	IPI00007797.3	222	6	5	5	0.34	0.38	0.28	0.43	0.61
X020169	PRPF38B	IPI00018098.4	491	14	12	13	0.59	0.72	0.81	0.87	0.81
X020169	SEPT_2	IPI00871851.2	372	10	4	4	1.08	0.93	0.96	0.89	0.95
X020169	SEPT_7	IPI00033025.8	93	2	2	2	0.98	0.92	0.97	0.94	0.85
X020169	SEPT_9	IPI00784614.1	84	3	2	2	0.96	0.95	0.93	0.79	0.76
X020169	SEPT_15	IPI00030877.2	189	3	2	2	0.97	0.98	0.94	1.08	0.96
X020169	A2M	IPI00478003.1	1967	47	21	24	0.86	0.93	0.96	0.97	1.11
X020169	ABCF1	IPI00873899.1	1431	36	25	30	1.09	1.13	1.08	0.94	1.12
X020169	ABHD14B	IPI00063827.1	72	2	2	2	1.13	0.93	1.02	1.03	0.90
X020169	ACACA	IPI00396015.5	594	19	12	12	1.04	0.92	0.98	1.09	1.03
X020169	ACADVL	IPI00028031.2	235	7	5	5	1.33	0.92	0.97	0.80	0.83
X020169	ACLY	IPI00394838.3	1179	27	18	18	1.03	0.86	0.92	0.95	1.20
X020169	ACOT9	IPI00646015.1	77	2	2	2	1.12	0.87	0.93	0.86	0.94
X020169	ACP1	IPI00219861.3	130	3	2	2	1.19	0.90	0.79	0.81	0.83
X020169	ACTB	IPI00894498.1	995	32	5	7	1.36	0.82	0.87	0.82	1.07
X020169	ACTC1	IPI00023006.1	114	5	2	3	1.25	0.91	0.96	0.94	1.18
X020169	ACTL6A	IPI00003627.1	255	6	6	6	1.04	1.23	1.05	1.06	1.04
X020169	ACTN4	IPI00013808.1	369	12	9	9	0.97	0.74	0.74	0.75	0.76
X020169	ACTR2	IPI00470573.1	172	5	2	2	0.98	0.86	0.81	0.86	0.89
X020169	ADSS	IPI00026833.4	227	6	5	5	0.98	1.03	0.98	0.99	0.93
X020169	AFG3L2	IPI00001091.4	152	7	3	3	1.12	0.94	0.94	0.87	0.95
X020169	AGK	IPI00019353.4	239	7	4	4	1.07	1.06	0.88	0.79	0.83
X020169	AGT	IPI00032220.3	126	4	2	2	0.88	1.07	1.04	1.11	1.02
X020169	AHCY	IPI00012007.6	467	10	9	9	1.10	0.88	0.89	0.82	0.83
X020169	AHNAK	IPI00021812.2	367	17	6	6	0.91	0.96	0.89	0.89	0.95
X020169	AHSG	IPI00022431.1	214	6	5	5	1.38	0.97	0.88	0.96	0.92
X020169	AIFM1	IPI00000690.1	497	11	7	7	1.42	0.92	0.87	0.83	0.77

X020169	AIP	IPI00010460.1	385	8	6	6	0.90	1.00	0.91	0.96	0.96
X020169	AK2	IPI00215901.1	328	9	8	8	2.56	0.92	0.88	0.94	0.84
X020169	AKAP8L	IPI00297455.5	223	5	2	2	0.89	0.96	1.04	0.95	1.05
X020169	AKR1C1	IPI00029733.1	70	5	3	3	1.43	0.95	0.87	1.10	0.83
X020169	ALAD	IPI00442121.3	85	2	2	2	0.85	0.75	0.78	0.95	0.88
X020169	ALDH18A1	IPI00008982.1	479	13	9	9	1.09	0.98	1.01	1.06	1.03
X020169	ALDH7A1	IPI00221234.7	403	8	4	4	0.94	1.04	1.03	0.97	1.00
X020169	ALDH9A1	IPI00479877.4	46	3	2	2	1.11	0.91	0.92	0.93	0.92
X020169	ALKBH4	IPI00033770.5	198	5	4	4	0.97	1.00	1.03	0.99	0.92
X020169	ALOX12B	IPI00025278.1	101	4	3	3	0.67	0.74	0.76	0.75	0.78
X020169	AMBP	IPI00022426.1	284	8	4	4	1.11	1.61	1.27	1.43	1.25
X020169	ANKRD11	IPI00914930.1	107	6	2	2	0.87	1.12	0.89	1.01	1.01
X020169	ANP32A	IPI00025849.1	112	4	3	3	1.25	1.02	2.31	0.84	0.96
X020169	ANP32B	IPI00007423.1	291	9	3	4	1.68	1.07	1.98	0.92	0.96
X020169	ANXA1	IPI00218918.5	970	25	16	16	1.37	1.02	0.88	0.85	0.90
X020169	ANXA11	IPI00414320.1	80	3	2	2	1.34	0.78	0.85	0.84	0.87
X020169	AP2A1	IPI00304577.3	157	7	4	4	1.04	0.93	1.01	0.93	1.00
X020169	AP2B1	IPI00784366.1	353	9	7	7	1.06	1.08	1.10	0.98	1.08
X020169	AP2S1	IPI00219840.4	64	2	2	2	1.12	0.97	1.08	1.03	0.99
X020169	AP3B1	IPI00021129.4	743	20	13	13	0.97	1.02	1.00	0.99	1.07
X020169	AP3D1	IPI00719680.1	789	21	12	13	1.11	1.04	1.11	1.02	1.12
X020169	AP3M1	IPI00032459.1	123	4	4	4	1.18	1.36	1.11	1.01	1.00
X020169	AP3S1	IPI00014624.2	114	3	2	2	1.16	1.21	1.06	0.97	1.09
X020169	APEX1	IPI00215911.3	99	4	2	2	1.14	1.20	1.08	1.01	0.96
X020169	APIP	IPI00911064.1	105	4	3	4	1.09	1.00	1.03	1.10	0.95
X020169	APOBEC3	IPI00872929.2	90	4	3	3	1.40	1.02	1.06	1.06	1.00
X020169	ARCN1	IPI00298520.3	270	8	5	5	1.09	0.95	0.93	0.89	0.88
X020169	ARG1	IPI00398768.1	189	7	4	4	0.77	1.10	0.78	1.05	0.74
X020169	ARGLU1	IPI00478834.3	307	14	7	7	1.01	1.10	1.04	1.01	1.03
X020169	ARHGEF2	IPI00472160.5	159	6	3	3	1.09	1.04	0.97	0.97	0.94
X020169	ARL1	IPI00219518.7	153	3	3	3	1.38	0.95	0.95	1.03	0.94
X020169	ARL6IP5	IPI00007426.1	72	3	2	2	0.95	0.95	0.86	0.82	0.71
X020169	ARMET	IPI00328748.4	169	5	3	3	1.18	1.36	1.05	1.00	1.15
X020169	ARPC3	IPI00005162.3	39	2	2	2	0.98	1.05	0.90	1.03	1.02
X020169	ARPC4	IPI00554811.2	177	6	4	4	1.28	0.91	0.80	0.78	0.81
X020169	ARPC5L	IPI00414554.5	53	2	2	2	1.43	0.91	1.04	0.86	0.92
X020169	ARS2	IPI00375144.5	354	11	9	9	1.22	1.05	1.14	1.05	1.09
X020169	ATAD3A	IPI00643435.1	407	14	8	8	0.99	1.00	0.84	0.79	0.83
X020169	ATF2	IPI00234446.2	52	2	2	2	0.98	1.06	1.00	0.95	0.95
X020169	ATP1A1	IPI00006482.1	361	8	4	4	1.05	0.87	0.84	0.75	0.84

X020169	ATP5O	IPI00007611.1	233	5	5	5	1.30	0.82	0.85	0.80	0.79
X020169	AUP1	IPI00001891.1	56	2	2	2	0.91	0.69	0.75	0.85	0.75
X020169	B4DWA0	IPI00744851.2	155	3	3	3	1.67	1.00	1.03	0.81	0.78
X020169	BAG2	IPI00000643.1	161	4	3	3	1.31	0.81	0.90	0.78	0.78
X020169	BBX	IPI00300222.6	88	3	2	2	0.84	1.00	0.89	0.87	0.92
X020169	BCAT1	IPI00382412.4	155	4	3	3	1.07	1.11	1.14	1.06	1.10
X020169	BCLAF1	IPI00006079.1	139	8	5	5	1.13	1.18	1.06	1.06	1.02
X020169	BOLA2	IPI00301434.4	234	7	4	5	1.06	1.38	1.16	1.33	1.10
X020169	BTBD9	IPI00396190.2	189	7	5	5	0.99	1.13	1.09	1.09	1.11
X020169	BTF3	IPI00221035.4	252	8	3	3	1.24	1.23	1.10	1.03	1.00
X020169	BUB3	IPI00013468.1	346	9	6	7	1.10	1.01	0.96	0.96	0.94
X020169	BUD31	IPI00013180.2	92	3	3	3	1.37	1.19	0.95	0.93	0.97
X020169	BZW1	IPI00916503.1	246	8	3	3	0.99	1.07	1.05	0.98	0.91
X020169	BZW2	IPI00022305.4	283	10	7	7	1.17	0.96	0.84	0.85	0.88
X020169	C10ORF1	IPI00478758.2	169	5	3	3	0.84	0.97	0.98	0.92	1.14
X020169	C11ORF31	IPI00218054.2	113	2	2	2	1.11	1.24	1.01	0.99	0.97
X020169	C12ORF10	IPI00029444.1	946	25	16	19	0.92	1.05	1.03	1.06	1.03
X020169	C14ORF16	IPI00792100.1	381	9	5	5	0.99	0.94	0.82	0.88	0.81
X020169	C16ORF80	IPI00001655.1	249	7	5	6	1.05	1.14	1.09	0.97	1.03
X020169	C16ORF88	IPI00554560.4	120	4	2	2	1.05	1.01	1.06	0.93	0.94
X020169	C18ORF22	IPI00103853.7	116	4	3	3	0.90	1.02	1.05	0.96	0.96
X020169	C19ORF43	IPI00031526.3	119	5	2	2	0.98	1.09	0.95	0.86	0.98
X020169	C19ORF53	IPI00022317.3	115	4	2	2	1.52	1.37	1.10	0.89	0.87
X020169	C1ORF128	IPI00015351.2	149	7	5	5	0.85	0.96	0.95	1.01	0.93
X020169	C1ORF35	IPI00293746.2	265	7	5	5	1.01	1.11	1.25	1.09	0.92
X020169	C21ORF70	IPI00027898.3	141	4	3	3	1.37	1.29	1.23	1.01	1.03
X020169	C22ORF28	IPI00550689.3	282	9	7	7	1.06	0.95	0.91	0.85	0.83
X020169	C3	IPI00783987.2	199	6	4	4	1.13	1.05	1.09	1.04	0.99
X020169	C3ORF21	IPI00171410.1	129	3	3	3	0.96	1.07	0.91	1.07	1.03
X020169	C3ORF26	IPI00031679.2	89	3	3	3	1.56	0.93	0.99	0.80	0.81
X020169	C4B	IPI00418163.3	405	14	6	6	1.02	1.17	1.13	1.16	1.03
X020169	C4ORF43	IPI00019962.3	157	6	3	3	0.94	1.09	0.97	0.86	1.09
X020169	C8B	IPI00294395.1	103	4	2	2	0.80	1.08	0.96	0.99	0.86
X020169	C9ORF86	IPI00827967.1	443	12	2	2	1.13	1.30	1.23	1.21	1.20
X020169	CA2	IPI00218414.5	124	2	2	2	1.20	1.18	1.07	1.23	1.11
X020169	CACYBP	IPI00395627.3	342	8	6	6	1.28	0.95	0.91	0.79	0.89
X020169	CAD	IPI00301263.2	5695	196	98	148	1.01	0.98	1.11	1.16	1.24
X020169	CALM1	IPI00916600.1	117	5	2	2	1.29	0.96	0.82	0.87	0.94
X020169	CALML5	IPI00021536.2	175	5	4	4	1.12	1.16	0.84	1.94	0.97
X020169	CAND1	IPI00100160.3	151	5	3	3	0.96	0.77	1.05	0.92	0.90

X020169	CANX	IPI00020984.2	367	12	6	6	1.98	0.86	0.91	0.76	0.73
X020169	CAP1	IPI00008274.7	287	8	4	4	1.24	0.74	0.77	0.72	0.68
X020169	CAPN1	IPI00011285.1	239	6	4	4	0.99	0.85	0.84	0.88	0.78
X020169	CAPN6	IPI00002547.1	492	12	10	10	0.93	1.12	1.06	1.03	0.99
X020169	CAPZA1	IPI00005969.3	578	12	5	5	1.04	1.09	0.98	1.02	0.97
X020169	CAPZB	IPI00218782.3	380	9	7	7	0.99	1.01	0.92	0.93	0.93
X020169	CARM1	IPI00639957.2	219	6	4	4	1.00	1.16	1.06	1.08	1.09
X020169	CARS	IPI00027443.5	225	10	6	6	0.93	0.94	1.04	1.06	0.94
X020169	CAT	IPI00465436.4	499	13	9	9	0.93	0.86	0.86	1.01	0.80
X020169	CBS	IPI00219649.4	474	12	10	10	1.03	1.08	1.04	1.02	0.98
X020169	CBX5	IPI00024662.1	87	5	2	2	1.46	1.01	0.88	0.84	0.92
X020169	CCAR1	IPI00217357.2	212	6	2	2	0.97	1.04	1.04	0.95	1.13
X020169	CCDC55	IPI00790230.1	463	15	12	13	1.10	1.21	1.10	1.09	1.07
X020169	CCDC59	IPI00329594.4	185	5	3	4	1.04	1.20	1.14	1.02	1.14
X020169	CCDC72	IPI00006378.3	83	2	2	2	1.00	1.55	1.14	1.12	1.12
X020169	CCNK	IPI00783214.2	494	11	10	10	1.05	1.11	1.11	1.01	0.99
X020169	CCT2	IPI00297779.7	723	21	14	15	1.29	0.84	0.97	0.91	0.79
X020169	CCT3	IPI00553185.2	602	15	10	11	1.17	0.80	0.79	0.73	0.73
X020169	CCT4	IPI00302927.6	721	17	14	14	1.15	0.82	0.81	0.81	0.79
X020169	CCT5	IPI00010720.1	784	23	15	15	1.12	0.80	0.82	0.72	0.74
X020169	CCT6A	IPI00027626.3	475	14	11	11	1.09	0.77	0.75	0.70	0.68
X020169	CCT7	IPI00018465.1	786	21	14	14	1.24	0.80	0.82	0.73	0.75
X020169	CCT8	IPI00784090.2	1161	32	20	20	1.21	0.77	0.78	0.68	0.70
X020169	CD2BP2	IPI00006103.1	255	7	5	6	1.09	1.12	1.02	0.94	0.93
X020169	CDA	IPI00027983.1	118	3	2	2	0.94	1.07	0.98	1.02	1.07
X020169	CDC2L1	IPI00215999.1	589	20	15	15	1.17	0.91	0.95	0.87	0.92
X020169	CDC42	IPI00909484.1	306	8	5	5	1.55	0.89	0.94	0.78	0.79
X020169	CDC5L	IPI00465294.2	160	5	4	4	1.14	1.22	1.11	0.99	0.95
X020169	CDC73	IPI00300659.4	699	21	12	12	1.01	1.14	1.07	0.99	1.14
X020169	CDK2	IPI00031681.1	238	6	4	4	1.37	1.00	0.95	0.92	0.97
X020169	CDK6	IPI00023529.1	45	2	2	2	1.13	0.89	0.96	1.00	0.91
X020169	CDK9	IPI00552413.2	127	4	4	4	1.00	1.06	0.99	1.04	0.99
X020169	CFL1	IPI00012011.6	346	8	4	4	1.42	0.90	0.89	0.82	0.82
X020169	CHD4	IPI00455210.1	311	12	7	7	0.97	1.12	1.06	1.11	1.13
X020169	CHEK1	IPI00023664.3	71	4	2	2	0.90	1.14	1.01	1.01	0.99
X020169	CHERP	IPI00333010.8	358	11	6	6	1.12	1.06	1.05	1.06	1.14
X020169	ch-TOG	IPI00028275.2	237	10	3	3	1.19	0.96	0.99	0.89	1.02
X020169	CIP29	IPI00798360.1	147	5	4	4	1.18	1.03	0.96	0.80	0.88
X020169	CKAP4	IPI00141318.2	836	19	13	13	1.03	1.24	1.02	1.06	0.97
X020169	CKB	IPI00022977.1	132	6	3	3	1.46	0.96	1.05	1.06	0.90

X020169	CLTC	IPI00024067.4	783	24	15	15	0.87	0.73	0.84	0.80	0.85
X020169	CMAS	IPI00303158.3	240	6	5	5	1.21	1.15	1.06	1.03	0.98
X020169	CMBL	IPI00383046.3	453	14	9	10	1.04	1.07	1.06	1.05	1.02
X020169	CNBP	IPI00895806.1	123	4	2	2	1.82	0.80	0.72	0.73	0.66
X020169	CNN2	IPI00910593.1	373	9	5	5	0.88	1.04	0.93	0.93	0.91
X020169	CNN3	IPI00873410.1	94	2	2	2	0.82	0.92	0.97	1.04	0.95
X020169	CNOT1	IPI00166010.6	135	7	2	2	1.21	0.85	1.48	1.32	0.84
X020169	CNP	IPI00306667.5	84	5	2	2	1.04	1.07	1.03	1.01	0.96
X020169	COIL	IPI00006442.1	70	3	2	2	1.17	0.99	0.93	0.94	0.77
X020169	COL14A1	IPI00176193.6	218	5	4	4	1.08	1.04	1.18	1.08	1.11
X020169	COMT	IPI00011284.1	380	8	5	5	1.98	0.83	0.86	0.83	0.83
X020169	COPA	IPI00646493.1	289	8	4	4	0.96	0.73	0.97	0.67	0.87
X020169	COPB1	IPI00295851.4	576	15	10	10	0.96	0.88	0.95	0.86	0.90
X020169	COPS5	IPI00009958.6	75	3	2	2	1.10	0.96	0.83	0.89	0.76
X020169	CORO1C	IPI00867509.1	480	13	8	8	1.06	0.98	0.94	0.90	0.97
X020169	COX17	IPI00218144.3	120	3	2	2	1.03	1.19	1.20	1.22	0.97
X020169	CPOX	IPI00093057.6	41	2	2	2	1.45	1.12	1.06	1.23	1.10
X020169	CPSF1	IPI00026219.4	1004	30	18	18	0.96	0.96	1.06	1.04	1.14
X020169	CPSF2	IPI00419531.2	810	21	11	11	1.09	1.14	1.14	0.97	1.09
X020169	CPSF3	IPI00007818.3	417	12	9	9	0.92	1.07	1.06	0.93	1.03
X020169	CPSF4	IPI00009137.1	221	7	5	5	0.95	1.02	0.95	1.08	1.00
X020169	CPSF6	IPI00030654.1	597	20	10	15	1.00	1.20	1.12	1.10	1.10
X020169	CRKL	IPI00004839.1	918	22	16	19	0.91	1.09	1.06	1.02	1.04
X020169	CRKRS	IPI00021175.1	431	11	5	5	0.91	0.90	0.94	0.94	0.91
X020169	CROP	IPI00107745.3	783	23	12	13	0.94	1.12	1.00	0.98	1.00
X020169	CSE1L	IPI00022744.5	957	24	18	18	0.85	0.90	0.84	0.73	0.83
X020169	CSH1	IPI00025785.2	356	13	5	9	0.94	1.11	1.05	1.08	1.05
X020169	CSK	IPI00013212.1	349	8	5	5	0.92	0.98	1.06	0.98	1.35
X020169	CSNK1A1	IPI00448798.6	104	3	2	2	1.40	1.59	1.18	1.23	1.28
X020169	CSNK2A1	IPI00016613.2	180	4	3	3	1.09	1.07	1.04	0.93	1.12
X020169	CSRP2	IPI00002824.7	377	14	5	5	0.79	1.00	0.92	0.97	0.95
X020169	CSTA	IPI00032325.1	258	9	4	4	1.73	0.96	0.78	3.29	0.76
X020169	CSTB	IPI00021828.1	348	10	6	6	0.94	1.09	0.99	1.10	1.06
X020169	CSTF2	IPI00902991.1	210	5	3	3	1.16	0.97	0.88	0.98	0.85
X020169	CTNND1	IPI00182540.5	187	7	4	4	1.04	1.01	1.10	1.04	1.03
X020169	CTPS	IPI00290142.5	828	19	11	11	0.94	1.01	1.01	1.01	1.01
X020169	CTPS2	IPI00645702.1	265	8	5	5	1.10	1.02	0.98	0.95	0.95
X020169	CTSB	IPI00295741.4	84	3	2	3	1.22	1.08	0.99	1.05	0.95
X020169	CTSC	IPI00022810.1	69	3	2	2	0.89	0.85	0.86	0.91	0.85
X020169	CTSD	IPI00011229.1	466	11	9	10	1.10	0.90	0.87	0.92	0.75

X020169	CTTN	IPI00746806.1	428	15	9	9	0.98	1.05	0.98	0.99	0.98
X020169	CUL3	IPI00014312.1	213	9	4	5	1.02	1.14	1.13	1.11	1.09
X020169	CUL5	IPI00216003.4	118	7	2	2	1.05	0.97	1.10	1.27	0.91
X020169	CUTA	IPI00034319.2	112	2	2	2	1.19	1.10	0.96	1.03	1.02
X020169	CXORF26	IPI00107104.1	94	4	2	2	1.04	0.96	0.88	0.92	0.83
X020169	CXORF56	IPI00005055.4	147	3	3	3	1.01	1.09	1.12	1.00	1.05
X020169	CYFIP1	IPI00903062.1	156	6	3	3	0.91	0.93	0.93	1.11	0.93
X020169	CYP11A1	IPI00295771.6	351	10	6	6	0.76	1.06	0.93	0.94	0.87
X020169	CYP19A1	IPI00879236.1	472	11	11	11	0.94	1.00	1.02	1.11	1.02
X020169	DAP3	IPI00018120.1	166	4	2	2	1.09	0.82	0.95	0.92	0.89
X020169	DARS	IPI00216951.2	597	16	9	9	1.03	0.91	0.91	0.91	0.84
X020169	DAZAP1	IPI00165230.1	163	6	2	2	1.56	0.73	0.76	0.77	0.79
X020169	DCD	IPI00847793.1	370	11	7	10	1.85	0.87	0.84	2.00	0.92
X020169	DCN	IPI00012119.1	106	3	3	3	1.12	0.95	2.10	1.14	0.83
X020169	DCTD	IPI00554705.1	120	4	3	3	1.07	1.17	1.08	1.26	1.07
X020169	DDB1	IPI00293464.5	582	17	12	12	0.98	0.90	0.92	0.98	0.99
X020169	DDX1	IPI00293655.3	407	12	10	11	1.08	1.05	1.00	0.99	0.97
X020169	DDX17	IPI00023785.6	727	23	14	16	1.17	1.01	0.98	0.86	0.95
X020169	DDX21	IPI00015953.3	308	8	3	3	0.99	0.78	0.88	0.66	0.68
X020169	DDX23	IPI00006725.2	318	9	7	7	1.21	0.92	0.99	0.88	0.91
X020169	DDX3X	IPI00215637.5	1255	33	22	24	1.12	1.12	1.11	0.96	0.97
X020169	DDX41	IPI00007208.4	142	4	3	3	1.02	1.01	1.07	0.91	1.05
X020169	DDX42	IPI00409671.3	514	12	9	9	1.16	1.01	1.01	0.93	0.98
X020169	DDX46	IPI00329791.9	1738	51	32	36	0.82	0.91	0.92	0.91	0.92
X020169	DDX47	IPI00023972.5	247	9	3	3	1.22	1.18	1.17	1.16	1.09
X020169	DDX49	IPI00003739.5	222	6	3	4	1.15	1.22	1.10	0.99	1.11
X020169	DDX5	IPI00017617.1	1168	32	20	20	1.27	1.05	1.01	0.87	0.93
X020169	DDX52	IPI00032423.2	65	2	2	2	1.95	1.18	1.27	0.76	0.94
X020169	DEK	IPI00871695.1	492	14	11	12	1.41	0.88	0.98	0.82	0.78
X020169	DENR	IPI00306280.3	241	5	3	3	1.26	0.97	1.02	0.96	1.07
X020169	DHCR24	IPI00016703.2	91	4	2	2	0.90	0.81	0.83	0.69	0.71
X020169	DHFR	IPI00887771.1	1037	70	15	35	0.93	1.22	1.14	1.15	1.16
X020169	DHX15	IPI00396435.3	1301	39	26	32	1.02	1.14	1.10	1.06	1.05
X020169	DHX16	IPI00297178.6	359	14	5	5	1.15	1.15	1.10	1.07	1.16
X020169	DHX36	IPI00027415.2	426	11	7	7	0.95	0.89	1.05	1.02	1.06
X020169	DHX38	IPI00294211.2	125	4	2	2	0.92	0.98	0.94	1.03	0.81
X020169	DHX40	IPI00410110.3	122	4	3	3	0.92	0.88	0.95	0.98	0.93
X020169	DHX57	IPI00168885.5	75	5	2	2	0.72	0.70	0.94	0.96	0.88
X020169	DHX8	IPI00031508.1	116	5	2	2	0.88	1.04	0.92	1.19	0.92
X020169	DHX9	IPI00844578.1	369	10	7	7	1.03	0.72	0.76	0.65	0.75

X020169	DIAPH1	IPI00852685.1	225	9	5	5	0.81	0.80	0.85	0.83	0.81
X020169	DIDO1	IPI00619921.3	167	7	3	3	1.07	1.13	1.05	1.07	0.99
X020169	DJ-1	IPI00298547.3	533	12	10	11	1.17	1.06	1.04	1.01	1.01
X020169	DLD	IPI00015911.1	289	11	7	7	1.59	0.82	0.80	0.72	0.74
X020169	DNAJA1	IPI00012535.1	99	5	3	3	0.93	0.99	0.90	0.90	0.91
X020169	DNAJA3	IPI00294610.3	40	2	2	2	1.10	0.92	0.95	0.84	0.86
X020169	DNAJC10	IPI00293260.5	1000	25	19	20	0.92	1.12	1.12	1.13	1.12
X020169	DNAJC7	IPI00329629.6	92	5	2	2	0.98	0.99	0.97	1.06	0.98
X020169	DNAJC8	IPI00003438.2	188	8	6	6	1.12	1.21	1.03	0.97	1.02
X020169	DNAJC9	IPI00154975.3	471	11	7	7	1.56	0.92	1.08	0.85	0.75
X020169	DNPEP	IPI00015856.4	520	12	9	9	0.86	1.00	0.99	1.00	0.97
X020169	DR1	IPI00008991.1	117	3	2	2	1.09	1.09	1.05	0.96	1.03
X020169	DRG1	IPI00031836.3	430	11	6	6	1.22	1.14	1.03	0.90	1.01
X020169	DSC3	IPI00031549.5	124	4	2	2	0.79	0.81	0.80	0.77	0.74
X020169	DSG1	IPI00025753.1	891	23	14	19	0.67	0.90	0.72	0.85	0.68
X020169	DSTN	IPI00473014.5	248	7	4	4	0.93	0.98	0.96	1.02	1.06
X020169	DUT	IPI00749113.2	417	9	8	8	1.00	1.15	1.09	1.12	1.00
X020169	DYNC1H1	IPI00456969.1	838	32	13	13	1.02	0.93	0.99	1.10	1.05
X020169	DYNC1I2	IPI00744015.1	50	2	2	2	0.99	0.95	1.06	1.14	0.88
X020169	EBNA1BP2	IPI00745955.3	113	3	3	3	1.06	0.89	0.87	0.77	0.77
X020169	ECH1	IPI00011416.2	180	4	2	2	1.94	0.83	0.78	0.72	0.72
X020169	EDC3	IPI00018009.2	86	4	2	2	0.94	1.06	1.05	0.97	1.12
X020169	EDF1	IPI00021570.1	133	4	4	4	1.26	1.30	1.11	0.99	0.96
X020169	EEF1A1	IPI00396485.3	1035	43	7	11	1.21	1.17	1.17	1.00	1.04
X020169	EEF1B2	IPI00178440.3	283	10	6	6	1.38	0.82	0.93	0.72	0.84
X020169	EEF1D	IPI00642971.3	416	9	6	6	1.30	0.81	0.83	0.75	0.71
X020169	EEF1E1	IPI00003588.1	151	4	3	3	1.19	0.80	0.88	0.71	0.75
X020169	EEF1G	IPI00000875.7	557	17	13	13	1.23	0.95	0.90	0.86	0.84
X020169	EEF2	IPI00186290.6	1044	30	19	20	1.09	0.81	0.80	0.69	0.78
X020169	EFHD2	IPI00060181.1	234	6	5	5	1.18	1.07	1.01	1.00	0.98
X020169	EFTUD2	IPI00003519.1	1273	29	22	24	1.01	0.97	0.98	0.93	1.08
X020169	EIF1AP1	IPI00232533.5	337	12	8	8	1.03	1.40	1.17	1.04	1.20
X020169	EIF2B3	IPI00006504.3	129	4	3	3	1.10	0.88	0.83	0.82	0.81
X020169	EIF2S1	IPI00219678.3	304	10	7	8	1.28	1.13	1.05	0.85	0.94
X020169	EIF2S2	IPI00021728.3	476	11	10	11	1.18	1.12	0.98	0.91	0.86
X020169	EIF2S3	IPI00297982.7	453	11	8	8	1.19	1.13	0.99	0.81	0.86
X020169	EIF3A	IPI00029012.1	332	15	7	7	1.09	0.88	1.02	0.91	0.92
X020169	EIF3B	IPI00719752.2	633	17	9	9	1.03	0.97	0.99	0.93	1.10
X020169	EIF3C	IPI00646839.1	376	11	7	7	0.95	0.95	0.89	0.91	0.85
X020169	EIF3D	IPI00006181.1	218	6	4	4	1.04	1.04	1.13	0.90	0.90

X020169	EIF3E	IPI00013068.1	460	12	9	9	1.08	1.06	1.05	0.94	0.94
X020169	EIF3F	IPI00654777.2	272	9	6	6	1.14	1.16	1.11	1.03	0.98
X020169	EIF3G	IPI00290460.3	367	8	6	6	1.15	1.16	1.06	0.90	0.95
X020169	EIF3H	IPI00647650.3	268	6	4	4	0.96	1.09	1.02	0.95	0.98
X020169	EIF3I	IPI00012795.3	275	9	6	6	1.08	1.07	0.98	0.95	0.99
X020169	EIF3J	IPI00290461.3	75	3	2	2	1.44	1.07	0.98	0.89	0.90
X020169	EIF3K	IPI00033143.1	155	4	3	3	1.25	1.10	1.02	0.94	1.02
X020169	EIF3L	IPI00465233.1	544	13	8	8	0.95	1.10	0.99	0.87	0.93
X020169	EIF3M	IPI00102069.5	426	9	7	7	1.02	1.16	1.04	0.92	0.99
X020169	EIF4A3	IPI00009328.4	135	4	3	3	1.39	0.81	0.79	0.81	0.74
X020169	EIF4B	IPI00012079.3	342	13	6	6	1.12	1.13	1.06	0.94	0.97
X020169	EIF4E	IPI00908416.1	70	2	2	2	0.85	0.89	0.91	0.87	0.92
X020169	EIF4G1	IPI00552639.2	230	8	4	4	0.96	0.93	0.91	0.82	0.88
X020169	EIF4H	IPI00014263.1	141	3	2	2	1.33	1.07	0.94	0.75	0.86
X020169	EIF5	IPI00022648.2	275	6	5	5	1.01	1.04	1.05	0.92	1.01
X020169	EIF5B	IPI00299254.3	1641	50	35	38	1.05	0.98	0.99	0.95	0.95
X020169	EPB41L2	IPI00015973.1	307	10	7	7	1.04	1.03	1.08	0.95	1.02
X020169	EPB41L5	IPI00376221.2	177	5	2	2	1.00	1.08	1.02	1.01	1.08
X020169	EPRS	IPI00013452.9	1086	30	18	18	0.91	0.79	0.89	0.92	0.92
X020169	ERH	IPI00029631.1	126	3	3	3	1.18	1.06	1.04	1.03	0.97
X020169	ERO1L	IPI00872773.1	205	4	3	3	0.97	0.94	0.96	0.97	0.96
X020169	ERP29	IPI00024911.1	219	4	4	4	1.55	1.08	0.85	0.91	0.87
X020169	EXOSC10	IPI00009464.1	104	3	3	3	1.08	1.07	1.02	0.90	0.97
X020169	EZR	IPI00872684.1	270	10	6	6	1.05	1.02	0.91	0.91	0.87
X020169	F13A1	IPI00884176.1	259	9	3	3	1.25	0.99	1.02	1.04	0.98
X020169	FAM32A	IPI00022402.3	134	3	3	3	1.03	1.26	1.07	1.01	1.16
X020169	FAM46A	IPI00647115.1	55	4	2	2	0.95	1.09	1.20	1.39	1.29
X020169	FAM62A	IPI00746655.1	363	9	7	7	1.20	0.86	0.81	0.85	0.86
X020169	FAM76B	IPI00552849.2	208	8	5	5	1.00	1.24	1.14	1.03	1.13
X020169	FANCI	IPI00306518.3	88	3	3	3	0.79	0.92	0.92	0.84	0.91
X020169	FARSA	IPI00031820.3	506	14	6	6	1.00	1.00	0.94	0.97	0.91
X020169	FARSB	IPI00300074.3	797	22	15	15	1.03	0.98	1.00	1.12	1.00
X020169	FASN	IPI00026781.2	2894	71	51	53	0.98	0.94	1.01	1.07	1.13
X020169	FBL	IPI00025039.1	250	7	4	4	1.13	0.92	0.92	0.87	0.76
X020169	FBLN1	IPI00889740.1	447	14	7	7	0.89	1.11	1.09	1.04	1.24
X020169	FBXO22	IPI00183208.3	414	9	8	8	1.07	1.15	1.05	1.24	1.05
X020169	FEN1	IPI00026215.1	306	9	4	4	1.09	1.05	1.00	0.76	0.91
X020169	FERMT3	IPI00397834.1	124	4	3	3	1.40	0.78	0.85	0.82	0.76
X020169	FHL1	IPI00014398.2	127	4	2	2	1.09	1.02	0.84	0.90	0.91
X020169	FIP1L1	IPI00395337.1	482	12	10	11	0.93	1.10	1.04	1.04	1.00

X020169	FKBP1A	IPI00873810.1	180	5	2	2	1.14	1.06	0.99	1.02	0.93
X020169	FKBP3	IPI00024157.1	114	5	3	3	1.28	1.06	0.95	0.92	0.92
X020169	FLAD1	IPI00220299.1	97	4	3	3	1.02	1.00	1.10	1.28	0.98
X020169	FLJ11151	IPI00305010.3	295	6	3	3	0.85	1.05	1.01	1.00	1.08
X020169	FLJ12529	IPI00915356.1	599	16	13	14	1.02	1.24	1.10	1.08	1.09
X020169	FLNA	IPI00333541.6	1945	51	28	28	0.99	0.87	0.94	0.91	0.94
X020169	FLNB	IPI00900293.1	166	5	2	2	1.20	0.90	0.90	0.88	0.83
X020169	FN3K	IPI00023729.1	325	8	7	7	1.00	1.02	0.99	1.04	1.04
X020169	FN3KRP	IPI00099986.5	319	10	6	7	0.89	1.16	1.11	1.15	1.14
X020169	FRG1	IPI00004655.1	272	6	5	6	0.97	1.23	1.09	1.00	1.12
X020169	FSCN1	IPI00747810.2	229	9	6	6	1.32	0.92	0.94	0.92	0.77
X020169	FUBP1	IPI00641948.2	206	6	4	4	1.23	0.80	0.77	0.70	0.75
X020169	FUS	IPI00260715.5	444	10	8	8	1.59	1.57	1.15	0.96	0.91
X020169	FXR1	IPI00016249.4	222	7	3	3	1.05	1.18	1.00	0.89	0.89
X020169	G6PD	IPI00216008.4	162	7	3	3	1.43	0.97	1.00	0.95	0.87
X020169	GALNT2	IPI00004669.1	83	4	3	3	1.30	1.24	0.97	1.02	0.98
X020169	GANAB	IPI00383581.4	209	9	2	3	1.16	0.68	0.81	0.80	0.82
X020169	GAR1	IPI00872985.1	300	7	7	7	1.01	1.13	1.05	0.94	0.79
X020169	GARS	IPI00783097.3	257	9	9	9	1.08	0.90	0.90	0.88	0.86
X020169	GART	IPI00025273.1	4232	170	58	115	0.96	0.96	1.10	1.09	1.18
X020169	GCDH	IPI00024317.1	793	22	14	15	0.90	1.00	0.97	0.98	1.00
X020169	GCN1L1	IPI00001159.10	2633	66	47	48	0.90	0.88	0.85	0.86	0.96
X020169	GCS1	IPI00328170.9	193	6	2	2	1.23	1.03	1.08	0.93	0.87
X020169	GEMIN4	IPI00789740.1	157	6	2	2	0.86	0.72	0.96	0.98	0.82
X020169	GEMIN5	IPI00291783.3	427	11	5	5	0.94	0.89	0.94	1.00	0.90
X020169	GFPT1	IPI00217952.6	327	10	6	6	1.06	0.98	1.00	0.99	0.98
X020169	GGCT	IPI00031564.1	245	4	4	4	0.93	0.91	0.85	0.92	0.71
X020169	GGH	IPI00023728.1	71	3	2	2	1.01	0.92	0.78	0.92	0.78
X020169	GLOD4	IPI00007102.3	500	14	8	8	0.90	1.06	1.01	1.03	1.07
X020169	GLRX	IPI00219025.3	92	4	2	3	0.98	0.95	0.86	1.10	0.85
X020169	GLT25D1	IPI00168262.2	376	14	8	8	1.12	1.00	1.06	1.06	0.98
X020169	GLUD1	IPI00016801.1	329	7	4	4	1.31	0.84	0.86	0.72	0.82
X020169	GLUL	IPI00010130.3	612	19	12	14	0.93	1.12	1.14	1.09	1.01
X020169	GM2A	IPI00018236.2	112	3	3	3	1.07	0.99	0.86	1.06	0.86
X020169	GMPS	IPI00029079.5	444	12	9	9	1.15	0.98	0.99	0.90	0.93
X020169	GNAS	IPI00095891.2	220	5	4	4	1.03	1.03	0.95	0.98	0.93
X020169	GNB1	IPI00026268.3	64	2	2	2	1.52	0.94	1.29	0.80	0.84
X020169	GNB1L	IPI00107339.4	505	10	9	9	0.95	1.11	1.06	1.11	1.04
X020169	GNB2L1	IPI00641950.4	672	14	13	14	1.17	0.96	1.00	0.93	0.90
X020169	GNL3	IPI00306380.10	208	5	3	3	1.08	0.93	0.95	0.86	0.77

X020169	GPATCH4	IPI00829835.2	149	4	2	2	1.11	1.08	1.04	0.97	0.80
X020169	GPD2	IPI00017895.2	249	5	5	5	0.98	1.15	1.06	0.99	0.96
X020169	GRB2	IPI00021327.3	198	7	3	3	1.06	0.92	1.02	0.96	0.96
X020169	GRWD1	IPI00027831.1	175	6	2	2	1.01	0.99	1.05	0.95	0.92
X020169	GSN	IPI00026314.1	280	7	3	3	0.98	1.03	0.98	1.01	1.14
X020169	GSPT1	IPI00910513.1	479	12	8	8	1.00	1.01	0.97	0.93	0.96
X020169	GSR	IPI00016862.1	530	9	8	8	0.96	1.12	1.13	1.06	1.06
X020169	GSTM3	IPI00246975.8	210	8	5	6	0.96	1.08	1.28	1.07	1.12
X020169	GTF2F1	IPI00017450.2	456	10	4	4	0.99	1.04	1.06	0.92	0.88
X020169	GTF2F2	IPI00876896.1	320	10	9	9	1.05	1.21	1.14	1.02	1.10
X020169	GTF2I	IPI00054042.1	878	23	17	17	0.96	1.07	1.02	1.10	1.04
X020169	GTSF1	IPI00795267.1	70	3	2	2	0.95	0.94	0.92	0.95	0.84
X020169	GUSB	IPI00027745.4	341	12	9	9	1.03	1.08	0.99	1.13	1.03
X020169	H1F0	IPI00550239.4	134	4	2	2	1.15	1.15	0.95	0.82	1.04
X020169	H1FX	IPI00021924.1	129	4	3	3	1.60	0.88	0.89	0.90	0.82
X020169	HADHA	IPI00031522.2	505	18	8	9	1.13	0.89	0.89	0.77	0.79
X020169	HADHB	IPI00022793.5	233	6	3	3	1.40	0.91	1.01	0.87	0.80
X020169	HBA1	IPI00410714.5	266	7	3	4	1.57	1.26	1.13	0.93	0.95
X020169	HBG1	IPI00744503.1	454	11	8	11	1.15	1.11	1.05	1.01	1.05
X020169	HCFC1	IPI00641743.2	157	5	2	2	0.77	0.77	0.67	1.14	0.75
X020169	HCG_2004	IPI00478208.2	336	9	7	8	1.36	0.92	0.88	0.75	0.69
X020169	HCG_2107	IPI00398135.2	102	5	4	4	1.40	0.90	0.95	0.79	0.84
X020169	HDAC1	IPI00013774.1	106	3	2	2	1.10	1.06	1.06	1.07	0.97
X020169	HDAC10	IPI00012439.5	262	8	5	5	1.53	1.74	1.30	1.65	1.28
X020169	HDAC6	IPI00005711.4	376	8	7	7	1.08	1.15	1.13	1.18	1.16
X020169	HDGF	IPI00514127.1	439	12	8	9	1.17	1.09	1.02	0.98	1.04
X020169	HDGF2	IPI00013290.5	162	4	2	2	1.05	0.80	0.98	0.96	0.81
X020169	HDLBP	IPI00022228.2	171	9	3	3	1.01	1.05	1.00	0.95	0.92
X020169	HEATR2	IPI00242630.3	76	2	2	2	1.00	0.82	0.84	0.91	0.79
X020169	HEXB	IPI00012585.1	129	5	3	3	1.03	0.99	0.96	1.03	0.99
X020169	HINT1	IPI00239077.5	80	4	2	2	1.32	1.25	1.19	1.46	1.13
X020169	HIST1H1B	IPI00217468.3	436	10	4	4	1.17	0.92	0.78	0.74	0.90
X020169	HIST1H1C	IPI00217467.3	482	12	10	10	1.93	0.93	0.91	0.77	0.87
X020169	HMGB1	IPI00419258.4	353	17	5	6	1.62	1.27	1.29	1.00	1.05
X020169	HMGCL	IPI00293564.5	133	4	2	2	0.93	0.98	0.87	0.96	0.82
X020169	HMGN1	IPI00658097.1	110	2	2	2	1.61	1.25	0.91	0.92	0.86
X020169	HNRNPA0	IPI00011913.1	110	4	2	2	1.60	0.87	0.89	0.75	0.78
X020169	HNRNPF	IPI00003881.5	656	16	10	10	1.29	0.94	0.95	0.90	0.90
X020169	HNRNPH1	IPI00479191.2	694	14	6	7	1.14	0.91	0.92	0.90	0.89
X020169	HNRNPH2	IPI00917181.1	87	3	2	2	1.85	0.89	0.89	0.79	0.73

X020169	HNRNPH2	IPI00026230.1	109	4	2	2	1.13	1.00	0.97	0.96	0.97
X020169	HNRNPK	IPI00216746.1	728	23	15	19	1.39	0.87	0.86	0.74	0.76
X020169	HNRNPL	IPI00027834.3	512	15	7	7	1.58	0.80	0.78	0.73	0.67
X020169	HNRNPM	IPI00171903.2	935	39	20	22	1.25	0.79	0.83	0.67	0.71
X020169	HNRNPR	IPI00644055.3	329	8	5	5	1.43	0.83	0.81	0.69	0.69
X020169	HNRNPU	IPI00644079.2	933	32	18	19	1.23	0.95	0.88	0.80	0.80
X020169	HNRNPUL	IPI00013070.2	515	15	14	14	1.00	0.96	1.05	0.96	0.98
X020169	HNRPDL	IPI00011274.3	262	7	4	4	1.36	0.69	0.83	0.73	0.68
X020169	HNRPLL	IPI00103247.1	202	7	4	4	1.10	0.96	1.00	0.98	0.89
X020169	HPR	IPI00641737.1	91	3	2	2	1.86	1.46	1.09	1.12	1.41
X020169	HPRT1	IPI00873466.1	315	7	5	5	0.99	0.98	1.00	1.06	0.95
X020169	HSD11B2	IPI00300050.3	266	6	6	6	0.92	1.15	1.02	0.93	0.93
X020169	HSD17B1	IPI00902797.1	71	3	2	2	1.05	1.02	1.24	0.98	1.01
X020169	HSD17B10	IPI00017726.1	599	12	8	9	1.46	1.04	1.00	0.95	0.98
X020169	HSD17B12	IPI00007676.3	264	7	4	5	1.20	1.16	1.12	0.99	1.02
X020169	HSD17B4	IPI00909582.1	1327	30	25	25	1.05	1.23	1.02	0.87	0.98
X020169	HSDL2	IPI00414384.1	330	7	4	4	1.13	1.07	1.08	1.01	1.00
X020169	HSP90AA1	IPI00382470.3	802	19	10	11	1.19	0.89	0.93	0.67	0.86
X020169	HSP90AB1	IPI00414676.6	1384	34	11	11	1.16	0.83	0.89	0.69	0.80
X020169	HSP90B1	IPI00027230.3	685	19	10	10	1.70	0.84	1.04	0.68	0.85
X020169	HSPA1A	IPI00304925.5	1415	44	18	25	0.92	1.05	0.98	0.93	0.99
X020169	HSPA5	IPI00003362.2	1274	30	19	22	1.27	1.05	1.19	0.91	0.96
X020169	HSPA8	IPI00003865.1	1153	32	13	17	0.99	0.98	0.96	0.89	0.93
X020169	HSPA9	IPI00007765.5	1596	35	23	25	1.14	0.97	0.94	0.85	0.89
X020169	HSPB1	IPI00025512.2	329	6	6	6	1.32	0.88	0.75	0.70	0.76
X020169	HSPC152	IPI00009010.3	172	6	2	3	1.11	1.21	1.24	1.10	1.15
X020169	HSPD1	IPI00784154.1	1114	29	19	23	1.45	0.93	0.87	0.78	0.83
X020169	HTATSF1	IPI00013788.1	680	25	15	15	1.02	1.03	1.08	1.17	1.20
X020169	HYOU1	IPI00000877.1	201	8	4	4	1.85	0.87	1.04	0.88	1.01
X020169	IAH1	IPI00419194.2	111	4	3	3	0.94	0.96	1.06	1.22	1.08
X020169	IARS	IPI00644127.1	719	16	13	13	0.91	0.80	0.89	0.88	0.90
X020169	IDE	IPI00220373.5	93	7	2	2	0.77	1.07	0.96	0.90	0.78
X020169	IDH3B	IPI00304417.7	72	2	2	2	1.20	0.96	0.90	0.98	1.04
X020169	IGF2BP3	IPI00658000.2	503	11	8	8	1.03	0.89	0.76	0.82	0.71
X020169	IK	IPI00883647.1	180	4	3	3	1.07	1.15	1.17	1.09	1.16
X020169	ILF2	IPI00872107.1	222	7	4	5	1.59	0.78	0.88	0.69	0.70
X020169	ILF3	IPI00418313.3	666	14	8	8	1.32	0.81	0.86	0.70	0.75
X020169	IMPDH2	IPI00291510.3	474	11	9	9	1.03	0.92	0.91	0.82	0.83
X020169	INPP5K	IPI00374574.2	94	3	2	2	0.79	0.95	1.01	0.93	0.99
X020169	IPO4	IPI00398009.2	178	6	5	5	1.11	0.96	1.05	0.98	0.86

X020169	IPO5	IPI00793443.1	963	24	16	16	0.90	0.85	0.87	0.85	0.99
X020169	IPO7	IPI00007402.3	292	6	2	2	0.86	0.82	0.79	0.68	0.89
X020169	IQGAP1	IPI00009342.1	1600	33	18	19	0.95	1.03	1.03	0.96	1.04
X020169	IQGAP2	IPI00299048.6	481	14	7	7	0.94	1.03	1.00	0.96	1.08
X020169	ISOC1	IPI00304082.8	279	7	2	2	1.18	1.13	0.82	0.91	1.12
X020169	ISOC2	IPI00003031.3	120	3	2	2	1.40	1.44	1.10	1.51	1.11
X020169	ISYNA1	IPI00549569.4	185	6	5	5	0.99	1.01	0.87	0.84	0.93
X020169	ITPA	IPI00018783.1	64	3	2	2	1.44	0.76	1.08	1.08	0.96
X020169	JTV1	IPI00011916.1	168	5	3	3	1.16	0.86	0.87	0.86	0.81
X020169	KARS	IPI00307092.2	391	12	9	9	1.17	0.79	0.83	0.88	0.78
X020169	KCTD12	IPI00060715.1	90	3	2	2	1.11	1.04	1.01	1.11	0.99
X020169	KCTD7	IPI00878627.1	166	4	2	2	0.96	0.93	0.88	1.22	1.04
X020169	KHDRBS1	IPI00008575.3	166	9	6	6	1.31	1.23	0.96	0.89	0.83
X020169	KHSRP	IPI00479786.5	848	25	13	14	1.08	1.05	1.00	0.99	1.04
X020169	KIAA0368	IPI00157790.7	79	4	2	2	1.25	1.01	1.02	0.92	1.14
X020169	KIAA0664	IPI00024425.5	788	22	18	18	1.08	1.02	1.05	1.18	1.16
X020169	KIAA0776	IPI00844000.1	157	5	2	2	1.23	1.21	1.20	1.29	1.02
X020169	KIF2A	IPI00848334.1	400	13	8	8	1.11	1.09	1.06	0.99	0.99
X020169	KIF2C	IPI00290435.3	333	10	5	5	1.01	1.02	1.02	0.97	0.90
X020169	KIF5B	IPI00012837.1	171	8	4	4	1.00	1.01	1.03	1.08	0.93
X020169	KLHL23	IPI00062213.4	144	3	2	2	0.90	1.00	1.02	1.06	0.94
X020169	KNG1	IPI00032328.2	267	7	3	3	1.21	1.07	1.12	1.13	1.02
X020169	KPNA1	IPI00303292.1	98	3	2	2	0.98	1.12	0.97	1.04	0.91
X020169	KPNA2	IPI00002214.1	347	7	4	4	0.93	0.93	0.88	0.79	0.78
X020169	KPNB1	IPI00001639.2	203	5	3	4	1.04	0.74	0.77	0.90	0.83
X020169	LANCL2	IPI00032995.1	321	8	2	2	0.91	1.04	1.06	0.94	1.06
X020169	LANCL3	IPI00643639.2	112	3	2	2	0.88	1.08	1.13	0.96	1.04
X020169	LARP1	IPI00185919.3	215	8	6	6	1.00	1.00	0.97	0.94	0.90
X020169	LARS	IPI00103994.4	715	20	10	10	0.85	0.78	0.83	0.86	0.85
X020169	LASP1	IPI00386803.4	109	5	2	2	1.10	0.88	0.68	0.90	0.71
X020169	LCP1	IPI00010471.5	561	14	7	7	1.04	0.82	0.87	0.81	0.84
X020169	LDHB	IPI00219217.3	495	11	7	8	1.86	0.75	0.87	0.71	0.70
X020169	LETM1	IPI00017592.1	133	6	3	3	1.33	1.05	1.04	0.91	0.98
X020169	LGALS1	IPI00219219.3	122	3	2	2	1.43	0.84	0.92	0.78	0.82
X020169	LGALS3BF	IPI00023673.1	532	12	10	11	0.94	1.03	1.08	1.07	1.09
X020169	LIG3	IPI00029081.3	199	7	3	3	1.09	1.06	0.95	0.99	0.85
X020169	LIN28B	IPI00873862.1	214	5	5	5	0.97	1.03	1.00	1.00	1.06
X020169	LOC10012	IPI00887111.1	126	4	2	2	1.66	1.40	0.94	0.80	0.91
X020169	LOC10012	IPI00888660.1	113	3	2	2	1.45	0.77	0.83	0.80	0.78
X020169	LOC10013	IPI00013296.3	271	9	5	5	1.71	0.90	0.97	0.73	0.71

X020169	LOC10013	IPI00888474.1	500	11	9	9	1.16	0.89	0.78	0.71	0.79
X020169	LOC10013	IPI00745343.2	140	6	3	5	1.17	1.13	1.03	1.03	1.00
X020169	LOC28488	IPI00293276.10	137	10	3	4	0.94	1.17	1.03	1.09	0.94
X020169	LOC38847	IPI00397676.4	379	8	7	7	1.20	0.87	0.77	0.74	0.77
X020169	LOC44249	IPI00554481.1	234	8	4	4	1.58	0.87	0.86	0.74	0.78
X020169	LOC65078	IPI00887241.1	118	3	2	3	0.99	0.95	0.95	0.93	0.91
X020169	LOC65418	IPI00887678.1	465	12	6	9	1.65	0.93	0.90	0.87	0.83
X020169	LOC72865	IPI00398964.2	230	10	8	8	1.52	0.89	0.93	0.92	0.79
X020169	LRPAP1	IPI00026848.3	131	4	4	4	0.93	1.08	0.94	0.87	0.94
X020169	LRPPRC	IPI00783271.1	520	14	9	9	0.89	0.61	1.19	0.57	0.68
X020169	LRRC47	IPI00170935.1	399	12	7	7	0.91	0.89	0.80	0.72	0.78
X020169	LRRC59	IPI00396321.1	655	24	13	17	1.11	1.43	1.19	1.01	1.07
X020169	LSG1	IPI00300094.6	85	3	2	2	1.01	1.31	1.21	1.04	1.16
X020169	LSM14A	IPI00478300.2	320	9	6	6	1.01	1.38	1.10	1.01	1.02
X020169	LUC7L	IPI00071318.1	381	10	8	9	0.94	1.10	1.06	1.08	1.05
X020169	LUC7L2	IPI00006932.3	1075	38	15	24	0.92	0.96	0.89	0.92	0.89
X020169	LUZP6	IPI00179589.4	220	5	4	4	1.27	1.09	0.99	1.01	1.05
X020169	LYAR	IPI00015838.3	366	12	6	6	1.30	0.99	1.04	0.87	0.82
X020169	LYPLA2	IPI00027032.1	149	3	2	3	0.89	1.06	1.01	1.06	1.08
X020169	M11S1	IPI00783872.2	107	4	2	2	0.83	1.10	0.92	0.86	0.80
X020169	MAGI1	IPI00470759.1	343	9	6	6	0.98	1.04	0.97	1.03	1.01
X020169	MAGMAS	IPI00218463.3	122	4	4	4	1.36	1.35	1.06	0.96	0.93
X020169	MAP1B	IPI00008868.3	249	9	3	3	1.09	1.05	0.87	0.93	0.91
X020169	MAP4	IPI00396171.3	642	19	12	12	1.04	0.89	0.86	0.81	0.81
X020169	MAP4K4	IPI00604647.1	109	6	2	2	1.02	1.03	1.28	0.90	1.34
X020169	MAPK1	IPI00003479.3	278	9	6	6	1.24	0.92	1.03	0.93	1.51
X020169	MAPK14	IPI00221141.3	92	3	2	2	0.77	0.99	0.91	1.01	1.47
X020169	MAPRE1	IPI00017596.3	172	5	3	3	1.26	0.95	0.99	0.92	0.94
X020169	MARCKS	IPI00219301.7	400	5	3	3	0.96	0.99	1.07	0.92	1.09
X020169	MARS	IPI00008240.2	458	11	9	9	0.86	0.83	0.85	0.78	0.85
X020169	MAT2A	IPI00010157.1	384	10	10	10	0.96	1.02	1.01	1.02	0.96
X020169	MAT2B	IPI00002324.6	155	5	3	3	0.98	1.03	1.05	0.98	0.92
X020169	MATR3	IPI00789551.1	387	12	9	10	1.13	0.86	0.89	0.84	0.83
X020169	MAZ	IPI00008800.3	84	3	3	3	1.30	1.34	1.10	1.10	0.97
X020169	MBD3	IPI00439194.1	108	3	2	2	1.15	0.99	0.92	0.83	0.90
X020169	MBNL1	IPI00021692.2	67	2	2	2	1.60	0.72	0.85	0.66	0.71
X020169	MCCC1	IPI00024580.4	372	7	5	5	0.95	1.10	1.08	1.18	1.10
X020169	MCCC2	IPI00784044.1	570	14	10	11	0.91	0.95	0.97	0.99	0.95
X020169	MCM2	IPI00184330.5	175	5	3	3	1.43	0.69	0.85	0.77	0.86
X020169	MCM3	IPI00013214.2	761	17	11	11	1.01	0.86	0.97	0.89	0.94

X020169	MCM4	IPI00018349.5	235	7	5	5	1.18	0.82	0.91	0.79	0.86
X020169	MCM5	IPI00018350.3	668	18	14	14	1.18	1.02	0.95	0.99	0.90
X020169	MCM6	IPI00031517.1	379	13	5	6	1.14	0.82	0.85	0.76	0.80
X020169	MCM7	IPI00299904.3	295	7	5	5	1.14	0.92	0.84	0.89	0.78
X020169	MESDC2	IPI00399089.4	84	3	2	2	0.96	1.08	1.07	1.31	0.93
X020169	MEST	IPI00298947.5	159	5	4	4	1.04	1.05	1.05	0.99	0.88
X020169	MFAP1	IPI00022790.2	800	23	15	17	1.12	1.16	1.08	1.01	1.16
X020169	Mitsugumir	IPI00031697.1	103	4	3	3	1.42	1.07	0.99	0.92	0.87
X020169	MKRN1	IPI00033350.3	129	2	2	2	0.99	1.11	0.97	1.13	1.10
X020169	MKRN2	IPI00396406.6	790	26	17	21	0.98	1.08	1.04	1.10	1.09
X020169	MMAB	IPI00029665.8	60	3	2	2	1.19	0.99	1.19	1.36	1.01
X020169	MORF4L1	IPI00409675.1	231	6	2	2	1.23	1.32	1.03	0.93	1.09
X020169	MOV10	IPI00444452.3	274	9	7	7	1.18	0.91	0.99	0.94	0.95
X020169	MPP1	IPI00215610.2	498	12	9	9	1.06	1.07	1.02	1.11	1.00
X020169	MRCL3	IPI00604523.1	193	5	5	5	1.52	0.96	1.10	1.02	1.52
X020169	MRPL39	IPI00084571.4	149	4	3	3	1.18	0.93	1.01	0.86	0.90
X020169	MRPS22	IPI00013146.1	107	5	3	4	1.17	0.92	0.97	0.78	0.84
X020169	MRPS23	IPI00032881.2	152	5	4	4	1.30	1.01	1.01	0.89	0.87
X020169	MRPS27	IPI00022002.6	160	4	4	4	1.02	1.02	0.97	0.87	0.84
X020169	MRPS31	IPI00294242.2	67	2	2	2	1.22	1.03	1.10	1.04	1.01
X020169	MRTO4	IPI00106491.3	394	15	10	12	1.48	0.89	0.95	0.78	0.75
X020169	MSH2	IPI00017303.1	164	8	2	2	0.91	0.94	0.90	0.93	0.97
X020169	MSH6	IPI00384456.4	110	3	3	3	1.27	0.97	1.03	1.29	0.96
X020169	MSRB3	IPI00479793.2	85	3	2	2	0.79	1.30	0.98	1.18	1.14
X020169	MTA2	IPI00171798.1	420	18	12	12	1.14	1.08	1.00	0.97	1.14
X020169	MTDH	IPI00328715.4	641	14	12	13	1.10	1.23	1.04	0.96	1.02
X020169	MTHFD1	IPI00794900.1	788	22	11	11	0.98	0.93	0.97	0.95	0.94
X020169	MTHFD1L	IPI00291646.2	438	10	6	6	1.00	0.89	1.04	0.99	1.03
X020169	mTOR	IPI00031410.1	690	19	13	13	0.87	0.86	0.89	0.95	1.06
X020169	MTPAP	IPI00470416.2	285	8	5	5	1.01	0.95	1.07	0.86	0.90
X020169	MUTED	IPI00171438.2	95	4	2	2	1.26	0.84	0.89	0.71	1.52
X020169	MVD	IPI00022745.1	76	2	2	2	1.22	0.90	1.05	0.83	0.77
X020169	MYBBP1A	IPI00607584.1	293	10	6	6	0.95	1.27	1.10	1.09	1.06
X020169	MYD88	IPI00001062.7	214	5	4	4	0.90	1.02	1.00	0.99	0.98
X020169	MYH9	IPI00019502.3	2524	66	37	37	0.89	0.97	1.02	1.08	1.58
X020169	MYL4	IPI00384992.7	176	5	3	3	1.00	0.87	0.85	0.87	1.11
X020169	MYL6	IPI00789605.1	428	11	7	8	1.05	0.97	1.09	0.99	1.38
X020169	MYO1C	IPI00743335.1	80	4	2	2	1.10	1.09	1.06	1.14	0.95
X020169	NACA	IPI00797126.1	351	6	5	5	1.31	1.04	1.02	0.93	0.87
X020169	NAGK	IPI00296526.6	176	6	4	4	0.83	0.93	0.92	0.97	0.92

X020169	NAP1L1	IPI00023860.1	120	4	2	2	1.03	0.88	1.36	0.80	0.89
X020169	NARG1	IPI00386189.2	224	9	6	6	1.21	0.95	0.96	0.87	0.92
X020169	NARS	IPI00306960.3	203	8	4	4	1.06	0.79	0.79	0.74	0.74
X020169	NASP	IPI00332499.1	331	9	5	5	1.76	0.92	1.09	0.87	0.85
X020169	NCBP1	IPI00019380.1	286	7	4	4	0.93	0.99	0.96	0.96	1.00
X020169	NCBP2	IPI00183500.2	80	4	2	2	1.27	0.97	0.98	1.13	0.82
X020169	NCKAP1	IPI00409684.2	279	6	3	3	0.84	0.93	0.91	0.91	1.02
X020169	NCL	IPI00604620.3	1154	37	24	25	1.19	1.06	1.35	0.87	0.94
X020169	NDUFA4	IPI00011770.1	94	3	2	2	1.03	1.09	0.97	0.88	0.80
X020169	NDUFS3	IPI00025796.3	177	4	2	2	1.46	0.77	0.83	0.66	0.82
X020169	NDUFV2	IPI00646556.1	108	3	2	2	1.73	0.90	0.72	0.87	0.89
X020169	NEFM	IPI00217507.5	129	5	3	3	0.91	0.92	0.98	0.84	1.12
X020169	NEK9	IPI00301609.8	187	5	3	3	1.01	0.99	1.04	1.06	1.78
X020169	NFU1	IPI00455153.2	151	4	3	3	0.92	1.06	1.03	1.02	1.05
X020169	NHP2	IPI00041325.1	174	3	3	3	1.37	1.12	1.01	0.97	1.06
X020169	NME1-NM	IPI00604590.3	290	11	6	7	1.40	0.88	0.83	0.79	0.74
X020169	NMT1	IPI00329692.3	142	4	2	2	1.09	1.08	0.90	0.98	0.99
X020169	NOC4L	IPI00031661.1	326	8	5	5	0.99	1.18	1.12	1.01	1.00
X020169	NOL7	IPI00007729.1	153	4	3	3	1.17	1.12	1.01	0.95	0.85
X020169	NOLC1	IPI00216654.2	730	27	17	17	0.95	1.01	1.03	0.88	0.94
X020169	NONO	IPI00304596.3	983	39	19	26	1.17	1.57	0.98	0.93	0.84
X020169	NOP14	IPI00022613.4	249	10	3	3	1.16	1.24	1.12	1.08	1.13
X020169	NOSIP	IPI00006408.4	69	2	2	2	0.85	1.07	0.87	1.34	0.85
X020169	NP	IPI00017672.4	140	4	2	2	1.04	0.94	0.84	1.02	0.91
X020169	NPM1	IPI00549248.4	350	13	9	10	1.27	0.98	1.20	0.68	0.83
X020169	NRD1	IPI00243221.2	144	5	3	3	1.10	1.03	1.26	1.23	1.11
X020169	NSUN2	IPI00306369.3	160	6	3	3	1.12	0.98	1.04	1.00	1.10
X020169	NSUN5	IPI00910694.1	81	2	2	2	1.27	1.24	1.05	0.90	0.84
X020169	NT5DC2	IPI00783118.2	481	15	9	9	1.03	1.09	1.06	1.07	1.02
X020169	NUCKS1	IPI00872944.1	215	7	5	5	1.21	1.16	1.19	1.10	0.86
X020169	NUDC	IPI00550746.4	379	9	8	8	1.06	0.90	0.88	0.80	0.91
X020169	NUDT1	IPI00004392.2	293	8	6	7	0.84	1.03	0.97	1.07	1.03
X020169	NUDT16L1	IPI00031650.3	278	6	6	6	1.02	1.04	1.11	1.08	1.02
X020169	NUDT21	IPI00646917.1	527	17	11	14	0.96	1.29	1.12	1.11	1.14
X020169	NUMB	IPI00028059.1	98	4	2	2	1.26	1.01	1.01	0.86	0.82
X020169	NUP155	IPI00026625.1	1436	33	23	24	0.90	0.93	1.00	1.04	1.10
X020169	OGT	IPI00005780.3	69	4	2	2	1.22	1.06	0.94	1.00	1.07
X020169	OLA1	IPI00916847.1	191	9	2	2	1.13	0.85	1.00	0.78	0.86
X020169	OLFM4	IPI00022255.1	417	11	7	7	1.00	1.16	1.17	1.12	1.08
X020169	OPA1	IPI00107753.2	1165	26	19	19	0.90	1.14	0.99	1.11	1.00

X020169	ORC5L	IPI00015143.1	99	4	4	4	1.13	1.11	1.00	1.06	0.97
X020169	OTUB1	IPI00000581.6	128	3	2	2	1.13	1.06	0.87	1.06	0.93
X020169	P11	IPI00795429.1	1180	56	19	29	0.88	1.08	1.10	1.09	1.10
X020169	P4HA1	IPI00218682.1	167	6	4	4	1.11	1.16	1.11	1.01	1.09
X020169	P4HB	IPI00010796.1	591	15	11	11	1.86	0.99	0.94	0.85	0.85
X020169	PABPC1	IPI00008524.1	727	24	9	10	1.08	0.93	0.91	0.86	0.84
X020169	PABPC4	IPI00642904.1	249	7	4	4	1.05	0.84	0.87	0.79	0.79
X020169	PAF1	IPI00300333.4	354	9	5	5	0.99	1.12	1.06	1.01	1.09
X020169	PAICS	IPI00217223.1	505	10	8	8	1.38	0.80	0.78	0.71	0.70
X020169	PARP1	IPI00449049.5	2212	64	43	49	1.48	0.86	0.95	0.69	0.87
X020169	PARS2	IPI00553006.1	304	8	5	5	0.96	1.10	1.05	1.05	0.92
X020169	PBXIP1	IPI00332106.2	165	5	2	2	1.30	0.87	0.89	0.92	0.93
X020169	PC	IPI00299402.1	2472	75	44	54	0.92	0.94	1.01	1.03	1.11
X020169	PCBD1	IPI00218568.7	499	24	9	11	1.04	1.19	1.06	1.20	1.06
X020169	PCBD2	IPI00329646.4	301	7	4	5	0.85	1.06	1.02	1.00	1.44
X020169	PCBP1	IPI00016610.2	974	19	7	9	1.04	1.11	1.07	0.98	0.99
X020169	PCBP2	IPI00796337.1	342	6	5	5	1.24	0.90	0.95	0.82	0.85
X020169	PCCA	IPI00796978.3	2857	87	45	65	0.94	1.07	1.10	1.09	1.12
X020169	PCCB	IPI00007247.4	1836	48	26	40	0.93	1.09	1.05	1.06	1.04
X020169	PCF11	IPI00016387.4	274	12	2	2	0.94	0.97	1.01	1.14	1.14
X020169	PCID2	IPI00100313.2	486	14	5	5	1.37	1.12	1.08	0.98	0.94
X020169	PCMT1	IPI00828189.1	337	7	5	5	1.24	1.04	0.97	0.98	0.95
X020169	PDAP1	IPI00013297.1	390	11	8	8	1.12	1.24	1.14	1.01	1.01
X020169	PDCD10	IPI00298558.2	129	3	2	2	1.21	1.13	1.05	1.10	1.06
X020169	PDCD6	IPI00025277.5	217	6	5	5	1.52	0.88	1.05	0.88	0.85
X020169	PDCD6IP	IPI00246058.9	141	5	3	3	0.91	0.89	0.83	0.80	0.86
X020169	PDE10A	IPI00215786.3	1249	25	21	21	0.90	1.03	1.01	1.03	1.05
X020169	PDE12	IPI00174390.3	267	7	3	3	0.98	0.91	0.97	0.84	0.94
X020169	PDHA1	IPI00306301.2	123	5	3	3	1.25	0.94	0.92	0.80	0.81
X020169	PDHB	IPI00003925.6	131	3	3	3	1.74	0.78	0.76	0.74	0.66
X020169	PDIA3	IPI00025252.1	715	16	8	8	1.87	1.01	0.96	0.78	0.85
X020169	PDIA4	IPI00009904.1	299	9	4	4	1.69	0.95	1.08	0.90	0.94
X020169	PDIA5	IPI00031479.1	172	4	3	3	1.01	1.26	1.07	0.99	1.09
X020169	PDIA6	IPI00299571.5	423	8	6	6	1.77	0.86	0.91	0.74	0.85
X020169	PDS5A	IPI00854642.1	77	3	3	3	1.10	1.11	1.35	1.34	1.38
X020169	PDXK	IPI00013004.1	596	15	10	11	0.76	0.96	0.97	0.93	1.23
X020169	PEF1	IPI00018235.3	248	7	6	7	1.00	1.16	1.08	1.10	1.04
X020169	PELO	IPI00106698.1	218	5	4	4	0.96	1.01	1.07	1.03	0.98
X020169	PEX11B	IPI00021978.1	107	3	3	3	1.08	1.04	0.96	0.96	0.96
X020169	PFDN2	IPI00006052.3	254	5	4	4	1.19	0.98	0.87	0.89	0.88

X020169	PFKL	IPI00784216.2	351	8	3	3	1.05	0.85	0.95	0.95	0.84
X020169	PFKP	IPI00009790.1	90	4	3	3	1.07	0.96	0.95	0.92	1.00
X020169	PGAM5	IPI00788907.2	199	9	4	4	1.42	1.02	1.04	1.00	1.00
X020169	PGLS	IPI00029997.1	275	6	6	6	0.99	1.02	0.94	0.99	0.96
X020169	PGM3	IPI00030116.2	94	4	2	2	0.88	0.94	0.72	0.86	0.78
X020169	PHB2	IPI00027252.6	701	18	16	16	1.23	0.85	0.82	0.66	0.78
X020169	PHF5A	IPI00005511.1	292	7	6	6	1.04	1.21	1.15	1.13	1.07
X020169	PHF6	IPI00552149.2	413	11	8	8	1.07	1.27	1.06	0.96	1.07
X020169	PHGDH	IPI00011200.5	791	19	13	14	1.21	0.84	0.83	0.81	0.80
X020169	PI4K2B	IPI00291068.3	320	11	6	6	0.95	1.09	0.97	1.05	1.01
X020169	PIN4	IPI00006658.4	191	6	2	2	1.22	1.45	1.18	0.97	1.10
X020169	PKP3	IPI00026952.1	79	2	2	2	0.91	0.90	0.94	0.83	0.82
X020169	PLG	IPI00019580.1	1094	34	22	25	0.88	0.97	1.08	0.99	1.09
X020169	PLOD3	IPI00030255.1	364	10	7	7	1.00	1.04	1.08	1.12	1.06
X020169	PM20D2	IPI00217852.6	249	7	3	3	0.97	1.06	0.98	1.12	1.00
X020169	POF1B	IPI00103242.5	109	5	3	3	0.85	1.35	0.83	1.02	0.85
X020169	POLDIP3	IPI00440688.4	351	11	7	7	1.02	1.10	1.08	0.95	0.99
X020169	POLRMT	IPI00298738.3	165	6	2	2	0.89	0.90	0.87	0.88	0.88
X020169	PPA1	IPI00015018.1	152	5	2	2	1.11	0.85	0.85	0.77	0.85
X020169	PPAT	IPI00029534.1	86	3	2	2	1.23	0.97	1.08	1.21	1.39
X020169	PPIB	IPI00646304.4	663	23	14	17	1.25	1.38	1.06	0.95	1.07
X020169	PPIF	IPI00026519.1	58	2	2	2	1.67	0.96	0.89	0.66	0.75
X020169	PPIL2	IPI00217324.1	183	7	4	4	0.90	1.04	0.97	0.93	0.99
X020169	PPIL4	IPI00642862.1	775	17	14	15	1.04	1.20	1.08	1.07	1.08
X020169	PPM1G	IPI00006167.1	246	6	6	6	1.27	1.14	1.25	1.03	1.12
X020169	PPME1	IPI00412157.4	114	4	2	2	1.49	1.06	1.14	0.99	0.94
X020169	PPP1CC	IPI00218187.1	58	2	2	2	1.05	1.00	0.86	0.93	0.93
X020169	PPP2CA	IPI00008380.1	383	8	7	7	0.82	0.88	0.89	0.91	0.93
X020169	PPP2R1A	IPI00554737.3	851	22	17	17	0.97	1.00	0.99	0.97	0.94
X020169	PPP2R2A	IPI00332511.5	375	9	4	4	0.92	0.96	0.89	0.91	0.93
X020169	PPP4C	IPI00012833.1	253	7	3	3	0.72	0.92	0.91	0.85	0.86
X020169	PPT1	IPI00002412.1	85	3	2	2	1.32	1.16	0.95	1.06	0.94
X020169	PRDX1	IPI00000874.1	617	23	8	11	1.10	1.10	1.00	0.98	1.02
X020169	PRDX2	IPI00027350.3	174	7	4	4	1.10	0.83	0.72	0.74	0.74
X020169	PRDX3	IPI00024919.3	414	7	7	7	0.90	0.79	0.93	0.71	0.95
X020169	PRDX4	IPI00011937.1	343	9	5	5	1.01	1.06	0.98	1.03	1.02
X020169	PRDX6	IPI00220301.5	430	12	10	10	1.15	0.90	0.99	0.83	0.97
X020169	PRKACA	IPI00396630.3	84	2	2	2	1.10	1.04	0.79	0.76	0.75
X020169	PRKAG1	IPI00473047.2	230	5	2	2	1.14	0.97	0.83	0.87	1.43
X020169	PRKAR1A	IPI00021831.1	88	3	3	3	1.22	0.98	0.89	0.91	0.82

X020169	PRKAR2A	IPI00219774.3	123	5	2	2	1.02	0.88	0.93	1.03	0.85
X020169	PRKDC	IPI00296337.2	3932	105	72	73	0.94	0.88	0.87	0.85	0.97
X020169	PRMT1	IPI00018522.4	830	17	12	13	0.98	1.04	1.10	1.05	1.05
X020169	PRMT5	IPI00441473.3	348	11	9	9	1.12	1.03	0.99	0.94	0.93
X020169	PROSC	IPI00016346.1	239	6	5	5	1.02	1.20	1.00	1.01	0.98
X020169	PRPF19	IPI00004968.1	354	7	6	6	1.06	0.97	0.94	0.85	0.86
X020169	PRPF31	IPI00292000.6	86	4	2	2	1.00	1.12	1.02	0.95	1.05
X020169	PRPF38A	IPI00171390.2	304	9	6	6	1.07	0.72	0.80	0.88	0.79
X020169	PRPF40A	IPI00337386.3	409	11	5	5	1.16	1.05	1.00	1.00	1.04
X020169	PRPF4B	IPI00013721.2	298	7	4	5	0.92	0.96	0.94	0.96	0.98
X020169	PRPF6	IPI00305068.5	1123	26	18	18	1.13	1.10	1.10	1.16	1.17
X020169	PRPF8	IPI00007928.4	1983	60	45	45	1.12	1.09	1.13	1.12	1.22
X020169	PRPS1	IPI00219616.7	132	4	4	4	1.30	1.13	1.04	0.94	0.89
X020169	PSMA1	IPI00472442.4	348	8	6	6	1.27	0.78	0.77	0.75	0.69
X020169	PSMA3	IPI00419249.5	94	3	3	3	1.32	0.78	0.79	0.70	0.67
X020169	PSMB7	IPI00003217.3	120	3	3	3	1.43	0.87	0.84	0.66	0.68
X020169	PSMC1	IPI00011126.6	208	7	3	3	1.23	0.84	0.99	0.93	0.85
X020169	PSMC2	IPI00021435.3	306	8	3	3	1.33	0.74	0.89	0.67	0.70
X020169	PSMC5	IPI00023919.4	224	8	2	2	1.08	0.80	0.73	0.76	0.73
X020169	PSMD13	IPI00375380.4	132	4	2	2	1.35	0.77	0.83	0.75	0.67
X020169	PSMD2	IPI00012268.3	141	5	2	2	1.28	0.70	0.94	0.69	0.77
X020169	PSMD3	IPI00011603.2	456	10	4	4	1.31	0.76	0.77	0.69	0.72
X020169	PSMD6	IPI00014151.3	77	3	2	2	1.23	0.89	0.99	1.37	0.88
X020169	PSMD9	IPI00010860.1	71	2	2	2	1.19	1.10	1.10	0.97	1.04
X020169	PSME1	IPI00748256.2	581	13	10	11	0.92	1.04	1.09	1.07	1.04
X020169	PSME2	IPI00384051.6	154	6	2	2	0.93	1.03	0.96	0.99	0.91
X020169	PSME3	IPI00219445.1	315	7	5	5	1.23	0.97	0.97	0.86	0.82
X020169	PSPC1	IPI00103525.1	322	9	6	6	1.25	1.45	1.04	1.00	0.93
X020169	PTBP1	IPI00183626.8	394	13	9	10	1.51	0.90	0.90	0.74	0.78
X020169	PTER	IPI00100933.1	410	11	8	8	1.01	1.10	1.03	1.04	1.03
X020169	PTGES3	IPI00789101.1	222	5	3	4	1.14	1.01	1.15	0.86	0.93
X020169	PTMA	IPI00827535.1	112	2	2	2	1.43	1.02	2.85	0.88	1.11
X020169	PTPN1	IPI00297261.3	128	3	2	2	1.14	0.97	1.00	1.01	0.85
X020169	PTRF	IPI00176903.2	530	11	7	7	1.06	1.27	1.10	1.25	1.05
X020169	PTRH2	IPI00555597.2	157	6	3	4	1.04	0.92	1.00	0.99	0.87
X020169	PUF60	IPI00069750.2	1512	47	23	35	0.97	1.20	1.17	1.05	1.12
X020169	PURB	IPI00045051.3	186	5	4	4	0.97	0.94	0.96	1.09	0.92
X020169	PUS1	IPI00619930.2	119	3	3	3	1.16	0.99	0.91	1.11	0.89
X020169	PWP1	IPI00014298.3	84	5	2	2	1.06	0.99	1.09	1.07	1.04
X020169	PYCR1	IPI00550882.3	247	5	4	4	1.90	0.80	0.82	0.75	0.83

X020169	PYCR2	IPI00470610.4	112	5	3	3	1.42	0.89	1.01	1.01	0.84
X020169	PYGL	IPI00783313.2	172	7	2	2	1.32	0.98	1.71	1.06	0.84
X020169	PZP	IPI00025426.2	240	8	5	5	0.95	0.92	0.95	1.05	1.11
X020169	Q9UL88_H	IPI00783024.1	176	3	2	2	0.96	1.12	1.09	1.07	1.09
X020169	QARS	IPI00026665.2	341	10	5	5	1.01	0.92	0.96	1.07	0.84
X020169	RAB14	IPI00291928.8	227	5	5	5	1.19	1.01	0.95	0.92	0.91
X020169	RAB5C	IPI00016339.4	94	2	2	2	1.85	0.97	0.85	0.73	0.81
X020169	RABGGTB	IPI00295849.3	202	5	4	4	0.97	1.10	1.07	1.11	1.09
X020169	RALB	IPI00444204.1	59	2	2	2	1.33	1.05	0.88	0.88	0.78
X020169	RAN	IPI00792352.1	322	8	7	7	1.80	0.89	0.83	0.75	0.75
X020169	RANGAP1	IPI00294879.1	133	3	3	3	1.07	0.98	1.05	1.02	0.96
X020169	RARS	IPI00004860.2	424	12	11	11	0.93	0.95	0.90	0.92	0.89
X020169	RBBP4	IPI00328319.8	431	10	3	3	1.13	1.01	0.97	0.89	0.95
X020169	RBBP7	IPI00646512.1	116	3	3	3	1.11	1.00	0.94	0.91	0.93
X020169	RBM14	IPI00013174.2	73	3	2	2	1.14	1.24	1.07	0.91	1.01
X020169	RBM15	IPI00102752.2	59	4	2	2	0.98	1.16	0.95	0.96	0.97
X020169	RBM17	IPI00176706.1	462	14	7	7	0.98	1.24	1.11	1.04	1.11
X020169	RBM25	IPI00004273.6	720	26	13	14	1.06	1.06	1.07	0.95	1.06
X020169	RBM26	IPI00166555.3	432	16	6	6	0.81	0.98	0.94	0.90	0.90
X020169	RBM27	IPI00292975.4	169	5	3	3	1.05	1.15	1.12	1.08	1.00
X020169	RBM39	IPI00163505.2	996	25	15	18	0.99	1.02	1.02	1.03	1.02
X020169	RBM8A	IPI00001757.1	119	4	3	3	1.29	0.96	0.92	0.90	0.89
X020169	RCC2	IPI00465044.2	871	23	16	16	1.09	1.09	1.12	0.94	0.96
X020169	RDBP	IPI00000858.2	144	4	2	2	1.09	1.25	1.12	1.11	0.98
X020169	RER1	IPI00005728.2	74	3	2	2	1.08	0.85	0.89	0.78	0.74
X020169	RFC1	IPI00375358.2	358	13	5	5	1.08	1.04	1.07	0.94	0.91
X020169	RFC2	IPI00017412.1	384	9	8	8	1.14	1.09	1.07	1.00	1.03
X020169	RFC3	IPI00031521.1	338	6	6	6	0.97	1.08	1.01	0.94	0.93
X020169	RFC4	IPI00017381.1	351	9	7	7	1.09	1.10	0.99	0.92	0.97
X020169	RFC5	IPI00031514.1	406	14	10	10	1.04	1.09	1.03	0.94	0.99
X020169	RFT1	IPI00059368.2	178	6	5	5	0.92	0.88	0.77	0.91	0.78
X020169	RIF1	IPI00293845.5	228	10	5	5	1.42	1.00	1.02	0.96	0.96
X020169	RIOK1	IPI00171336.3	84	3	2	2	0.99	1.02	0.91	0.98	0.98
X020169	RNPEP	IPI00642211.3	121	4	3	3	1.08	0.86	0.98	1.02	1.06
X020169	RPAP3	IPI00002408.4	162	4	2	2	1.00	0.87	0.94	0.90	0.93
X020169	RPIA	IPI00026513.6	84	3	2	2	0.98	1.00	1.09	1.06	0.92
X020169	RPL10A	IPI00827508.2	532	15	8	10	1.49	0.90	0.98	0.81	0.82
X020169	RPL11	IPI00376798.3	263	6	3	3	1.20	0.98	1.00	0.85	0.92
X020169	RPL12	IPI00024933.3	604	11	9	9	1.42	0.87	0.92	0.83	0.83
X020169	RPL13	IPI00465361.4	237	9	5	5	1.46	0.95	0.94	0.94	0.96

X020169	RPL14	IPI00555744.6	236	9	4	4	1.82	0.88	0.84	0.75	0.72
X020169	RPL15	IPI00550032.1	91	3	2	2	1.52	0.90	0.89	0.93	0.89
X020169	RPL18	IPI00215719.6	331	7	6	6	1.02	0.98	0.81	0.79	0.81
X020169	RPL18A	IPI00472864.2	198	7	4	4	2.07	0.74	0.78	0.89	0.82
X020169	RPL22	IPI00219153.4	349	7	6	6	1.40	1.10	1.07	0.94	0.96
X020169	RPL23	IPI00010153.5	163	6	3	3	1.58	0.95	1.00	0.71	0.73
X020169	RPL23A	IPI00789159.1	219	5	4	4	1.24	0.95	0.86	0.74	0.81
X020169	RPL24	IPI00873403.1	236	6	5	5	1.76	0.85	0.81	0.80	0.71
X020169	RPL26	IPI00433834.2	107	5	3	3	1.95	0.84	0.84	0.78	0.73
X020169	RPL3	IPI00550021.4	277	11	6	6	1.74	0.83	0.83	0.76	0.75
X020169	RPL30	IPI00219156.7	279	6	5	6	1.15	0.95	0.93	0.86	0.92
X020169	RPL31	IPI00917298.1	119	6	2	2	2.06	0.87	0.82	0.94	0.79
X020169	RPL35A	IPI00029731.8	194	7	5	5	1.78	0.84	0.91	0.73	0.74
X020169	RPL38	IPI00215790.6	152	6	3	4	1.03	0.96	0.85	0.69	0.90
X020169	RPL4	IPI00003918.6	559	20	8	9	1.35	0.79	0.82	0.78	0.78
X020169	RPL5	IPI00000494.6	208	8	3	3	1.51	0.88	0.89	0.71	0.74
X020169	RPL6	IPI00790342.1	319	11	8	8	1.21	0.91	0.80	0.66	0.74
X020169	RPL7	IPI00872387.1	368	9	9	9	1.43	0.81	0.86	0.75	0.81
X020169	RPL8	IPI00797230.1	205	9	5	5	1.87	0.90	0.87	0.82	0.87
X020169	RPLP0-LIK	IPI00871646.1	595	15	13	15	1.23	0.84	0.91	0.83	0.82
X020169	RPLP2	IPI00008529.1	210	3	3	3	1.12	0.72	0.78	0.76	0.78
X020169	RPS10	IPI00478810.1	459	19	10	12	1.32	1.04	1.00	1.01	0.88
X020169	RPS11	IPI00025091.3	282	10	7	7	1.86	0.87	0.93	0.65	0.73
X020169	RPS12	IPI00847579.1	272	7	5	5	1.31	0.98	1.04	0.95	0.95
X020169	RPS13	IPI00221089.5	342	12	6	7	1.71	0.93	0.98	0.84	0.82
X020169	RPS14	IPI00026271.5	149	4	3	3	1.35	0.91	0.87	0.82	0.77
X020169	RPS15	IPI00479058.2	153	5	3	4	1.21	0.99	1.03	0.84	0.85
X020169	RPS15A	IPI00221091.9	244	8	6	8	1.71	0.89	0.92	0.89	0.75
X020169	RPS17	IPI00791157.1	212	9	5	6	1.29	0.88	0.97	0.87	0.78
X020169	RPS19	IPI00215780.5	437	11	10	10	1.26	0.94	1.03	0.93	0.93
X020169	RPS20	IPI00794659.1	183	7	4	4	1.23	0.92	0.90	0.98	0.85
X020169	RPS21	IPI00387084.1	289	10	4	5	1.30	1.00	0.99	0.94	0.95
X020169	RPS23	IPI00218606.7	207	5	4	5	1.47	0.87	0.92	0.77	0.72
X020169	RPS29	IPI00639942.2	43	3	2	2	1.43	0.93	1.05	0.85	0.95
X020169	RPS3	IPI00011253.3	633	20	15	18	1.31	0.86	0.93	0.80	0.84
X020169	RPS3A	IPI00472119.2	531	20	12	13	1.14	0.96	0.88	0.80	0.76
X020169	RPS5	IPI00008433.4	297	13	3	5	0.99	0.89	0.89	0.79	0.83
X020169	RPS6	IPI00021840.1	379	10	6	6	1.53	1.03	0.85	0.76	0.82
X020169	RPS7	IPI00013415.1	289	9	6	8	1.90	1.16	1.00	0.76	0.89
X020169	RPS8	IPI00872430.1	351	6	6	6	1.82	0.80	0.81	0.79	0.67

X020169	RPS9	IPI00221088.5	356	11	7	7	1.11	0.86	0.77	0.66	0.74
X020169	RPSA	IPI00413108.4	731	14	11	11	1.21	0.96	1.03	0.93	0.94
X020169	RRAGA	IPI00105620.2	77	4	2	2	1.18	0.87	1.24	1.13	1.14
X020169	RRBP1	IPI00856098.1	1539	39	29	29	1.21	1.31	1.15	1.14	1.14
X020169	RRM1	IPI00013871.1	376	9	5	6	1.03	1.02	1.13	1.03	1.03
X020169	RRP15	IPI00007004.4	97	3	2	2	1.01	1.07	1.03	0.99	0.97
X020169	RRP1B	IPI00290952.6	147	4	4	4	1.08	1.03	1.14	0.85	0.94
X020169	RSBN1L	IPI00394815.4	180	7	4	4	0.88	0.98	0.94	0.91	0.96
X020169	RSL1D1	IPI00008708.5	92	4	2	2	1.06	1.12	1.09	1.05	1.12
X020169	RSRC2	IPI00419791.3	384	15	6	9	0.75	0.78	0.80	0.95	0.82
X020169	RUVBL1	IPI00021187.4	582	11	10	10	1.12	1.01	0.96	0.85	0.90
X020169	RUVBL2	IPI00009104.7	474	11	8	8	1.22	0.94	0.89	0.85	0.87
X020169	S100A11	IPI00013895.1	115	3	3	3	1.53	0.82	0.82	0.82	0.73
X020169	S100A13	IPI00016179.1	141	3	3	3	1.04	1.06	1.00	0.98	1.14
X020169	S100A8	IPI00007047.1	101	6	2	2	1.60	0.98	1.17	1.61	1.18
X020169	S100P	IPI00017526.1	137	2	2	2	1.14	0.91	0.83	0.79	0.83
X020169	SAFB	IPI00646058.2	114	5	4	4	1.12	1.05	1.31	1.04	1.08
X020169	SAP30BP	IPI00549296.4	280	7	3	3	0.95	0.82	0.91	0.84	0.93
X020169	SAPS3	IPI00719725.1	101	3	2	2	1.08	0.96	0.95	0.93	0.95
X020169	SART1	IPI00021417.3	800	19	11	12	1.03	1.11	1.09	0.99	1.07
X020169	SBDS	IPI00427330.3	172	5	4	4	1.10	0.98	0.84	0.73	0.91
X020169	SCYE1	IPI00793201.1	248	6	4	4	0.98	0.89	0.90	0.93	0.90
X020169	SDCCAG1	IPI00301618.6	361	10	4	4	1.11	1.23	1.05	0.98	1.15
X020169	SDHA	IPI00305166.2	778	23	3	3	0.99	1.02	0.95	1.10	0.96
X020169	SDHB	IPI00294911.1	342	13	6	7	1.13	1.04	1.05	1.03	1.04
X020169	SEC13	IPI00853598.1	232	5	3	3	1.17	0.89	0.93	0.93	0.77
X020169	SEC16A	IPI00641384.2	334	11	4	4	0.85	0.83	0.93	0.83	1.04
X020169	SEC22B	IPI00006865.3	174	6	3	3	1.42	1.09	1.05	1.18	0.98
X020169	SEC23A	IPI00017375.2	532	16	8	8	0.89	0.97	1.00	0.98	0.98
X020169	SEC23B	IPI00017376.2	503	13	9	10	0.97	0.97	0.98	0.95	0.93
X020169	SEC24A	IPI00873472.1	269	6	3	3	1.09	0.93	1.09	1.07	1.15
X020169	SEC24B	IPI00030851.2	265	9	5	5	0.97	0.92	1.04	1.08	0.96
X020169	SEC24C	IPI00024661.4	599	12	11	11	1.02	0.91	1.01	1.04	1.05
X020169	SEC61A1	IPI00218466.7	168	6	5	5	1.05	0.92	0.77	0.73	0.72
X020169	SEC61B	IPI00220835.7	89	2	2	2	1.17	0.93	0.81	0.65	0.76
X020169	SEC62	IPI00019004.1	91	4	4	4	1.13	1.13	0.98	0.90	0.88
X020169	SEC63	IPI00218922.5	267	9	5	5	1.08	1.08	1.07	0.91	1.08
X020169	SELENBP	IPI00012303.3	247	5	3	3	1.13	0.87	0.95	1.09	1.02
X020169	SERBP1	IPI00410693.3	483	11	10	10	1.28	1.15	0.91	0.77	0.77
X020169	SERPINB1	IPI00027444.1	392	10	8	8	1.06	1.10	1.04	1.04	1.01

X020169	SERPINB2	IPI00007117.1	604	17	11	13	0.94	1.10	1.06	1.10	1.08
X020169	SERPINB6	IPI00413451.1	202	6	3	3	1.20	1.10	1.03	1.06	1.07
X020169	SERPINB9	IPI00032139.1	667	14	10	10	0.89	1.07	0.94	1.01	0.99
X020169	SERPINC1	IPI00032179.2	131	4	3	3	1.02	1.14	1.10	1.13	1.05
X020169	SERPINH1	IPI00032140.4	292	8	6	6	1.70	1.09	1.02	0.99	1.00
X020169	SF1	IPI00386114.1	160	4	2	2	1.08	0.98	1.03	1.00	0.91
X020169	SF3A1	IPI00017451.1	820	26	17	20	0.96	1.01	0.98	0.95	1.10
X020169	SF3A2	IPI00017341.3	239	8	6	6	0.90	1.02	1.03	0.97	0.93
X020169	SF3A3	IPI00029764.1	433	13	7	7	0.95	1.09	1.05	0.98	1.13
X020169	SF3B1	IPI00026089.3	1484	44	29	32	1.02	1.02	1.08	1.02	1.19
X020169	SF3B14	IPI00032827.1	246	8	6	7	1.21	1.16	1.13	1.10	1.13
X020169	SF3B2	IPI00221106.5	1019	32	19	21	1.00	1.02	1.00	0.99	1.02
X020169	SF3B3	IPI00300371.5	1785	48	32	37	0.98	1.00	1.01	1.01	1.07
X020169	SF3B4	IPI00017339.1	211	6	4	5	1.04	1.19	1.06	1.02	1.06
X020169	SF3B5	IPI00010404.1	64	4	2	3	0.85	1.00	0.92	0.96	0.97
X020169	SFPQ	IPI00010740.1	760	33	18	25	1.25	1.46	1.06	0.92	0.98
X020169	SFRS1	IPI00218591.2	446	12	7	8	1.18	0.92	0.90	0.98	0.93
X020169	SFRS10	IPI00555647.3	200	4	3	3	1.31	0.75	0.76	0.65	0.67
X020169	SFRS11	IPI00464952.2	336	11	6	7	0.82	0.85	0.92	0.95	0.93
X020169	SFRS12	IPI00375462.1	524	12	8	8	0.84	0.91	0.94	0.94	0.90
X020169	SFRS15	IPI00181702.3	178	4	3	3	1.07	1.07	1.08	0.97	1.05
X020169	SFRS17A	IPI00024024.4	55	3	2	2	0.95	1.23	1.07	1.23	1.25
X020169	SFRS2	IPI00005978.8	356	13	7	8	0.90	0.82	0.89	0.90	0.84
X020169	SFRS3	IPI00010204.1	259	10	6	6	1.06	0.83	0.82	0.87	0.78
X020169	SFRS5	IPI00915825.1	115	5	3	3	0.83	0.80	0.88	0.84	0.87
X020169	SFRS6	IPI00012345.2	90	3	2	2	1.00	0.83	0.91	0.86	0.85
X020169	SFRS7	IPI00003377.1	199	7	4	4	1.12	0.83	0.87	0.85	0.83
X020169	SFRS8	IPI00290094.4	274	11	3	3	0.90	1.00	1.10	1.05	0.96
X020169	SFXN1	IPI00009368.4	54	2	2	2	1.87	1.14	0.83	0.80	0.89
X020169	SGPL1	IPI00099463.2	110	4	3	3	1.12	1.32	1.23	1.05	0.95
X020169	SHMT2	IPI00789370.1	467	13	10	10	1.60	0.95	0.91	0.86	0.82
X020169	SKIV2L2	IPI00647217.2	642	22	15	15	0.98	1.01	1.00	0.98	1.10
X020169	SKP1	IPI00301364.3	446	10	8	8	1.14	1.21	1.05	1.15	1.02
X020169	SLC25A17	IPI00014440.3	202	5	3	3	1.09	1.17	1.09	0.95	0.95
X020169	SLC25A21	IPI00012690.1	53	2	2	2	1.70	0.71	1.12	0.79	0.91
X020169	SLC25A3	IPI00022202.3	504	15	11	11	1.47	1.04	0.86	0.86	0.78
X020169	SLC25A5	IPI00007188.5	660	22	5	5	1.80	0.96	0.97	0.80	0.79
X020169	SLC2A1	IPI00220194.6	261	10	5	5	1.03	0.88	0.86	1.01	0.87
X020169	SMARCC1	IPI00234252.3	483	15	7	7	0.99	1.05	1.07	0.97	1.10
X020169	SMARCC2	IPI00216047.3	203	8	4	4	1.08	1.13	0.97	1.09	1.04

X020169	SMARCE1	IPI00017669.5	376	10	7	7	1.01	1.02	0.96	0.95	0.99
X020169	SMU1	IPI00305833.3	317	7	6	6	1.06	1.30	1.07	1.10	1.10
X020169	SNRNP20	IPI00420014.2	2351	63	43	46	1.02	1.01	1.06	1.04	1.19
X020169	SNRNP40	IPI00006723.5	200	7	4	4	1.09	1.13	1.05	0.96	1.00
X020169	SNRNP70	IPI00290204.1	514	13	10	10	1.06	1.15	1.08	1.01	1.06
X020169	SNRPA	IPI00012382.3	467	16	8	10	1.05	1.29	1.14	1.09	1.07
X020169	SNRPA1	IPI00297477.3	378	9	7	7	0.99	1.15	1.00	0.93	0.96
X020169	SNRPB	IPI00329512.3	433	17	9	14	0.99	1.16	1.06	1.03	1.03
X020169	SNRPB2	IPI00029267.1	262	7	5	5	0.80	0.98	0.91	0.76	0.95
X020169	SNRPC	IPI00641788.1	149	5	2	3	0.93	1.12	1.04	1.00	1.06
X020169	SNRPD1	IPI00903286.1	103	2	2	2	1.00	0.98	0.87	0.86	0.79
X020169	SNRPD2	IPI00017963.1	313	13	6	9	1.10	1.21	1.05	0.93	0.98
X020169	SNRPD3	IPI00879750.1	98	4	3	3	1.15	1.25	1.12	1.12	1.11
X020169	SNRPE	IPI00029266.1	133	4	3	4	0.93	0.91	0.90	0.94	0.93
X020169	SNRPF	IPI00220528.6	204	10	4	9	1.11	1.25	1.07	1.05	1.07
X020169	SNW1	IPI00910816.1	327	10	7	7	1.10	1.12	1.07	1.02	1.05
X020169	SNX9	IPI00001883.1	230	9	3	3	1.00	0.92	0.98	0.86	1.01
X020169	SOAT1	IPI00745125.2	104	3	3	3	0.97	0.95	0.96	1.01	0.93
X020169	SON	IPI00218624.1	409	8	6	6	0.95	1.11	1.03	0.96	0.98
X020169	SPATA7	IPI00871254.1	46	2	2	2	0.94	1.11	1.14	1.27	1.06
X020169	SPCS2	IPI00472939.2	69	3	2	2	1.26	0.92	0.91	0.81	0.83
X020169	SPCS3	IPI00300299.6	87	3	2	2	1.43	0.80	0.85	0.79	0.84
X020169	SPR	IPI00017469.1	300	7	5	6	0.97	1.13	1.12	1.14	1.04
X020169	SPTAN1	IPI00871535.1	1065	30	17	17	1.01	0.93	1.00	1.06	1.03
X020169	SPTBN1	IPI00871932.1	453	20	6	6	1.06	0.88	0.98	1.03	1.07
X020169	SPTLC1	IPI00005745.1	173	6	4	4	1.07	0.93	0.97	0.90	0.91
X020169	SR140	IPI00143753.6	293	9	5	5	0.92	0.87	0.89	0.89	0.92
X020169	SRI	IPI00027175.1	198	4	2	2	1.17	0.98	0.80	0.79	0.86
X020169	SRP09	IPI00642816.2	240	7	5	5	1.41	1.13	1.09	0.99	0.95
X020169	SRP14	IPI00293434.2	238	5	4	4	1.60	1.22	1.16	0.92	0.96
X020169	SRP54	IPI00009822.1	281	6	4	4	1.02	1.01	1.17	0.89	0.85
X020169	SRP68	IPI00168388.1	507	16	9	9	0.99	0.98	1.02	0.91	0.85
X020169	SRP72	IPI00215888.4	493	11	9	9	1.00	1.04	1.08	0.90	0.92
X020169	SRPK1	IPI00412344.5	168	4	3	3	1.14	1.21	1.07	1.26	1.02
X020169	SRPR	IPI00385267.4	232	6	3	3	1.16	1.00	1.08	1.00	0.98
X020169	SRPRB	IPI00295098.3	310	9	6	6	1.18	1.02	0.90	0.86	0.80
X020169	SSB	IPI00009032.1	833	25	19	21	1.16	0.97	1.05	0.91	0.92
X020169	SSR1	IPI00301021.3	104	3	3	3	1.55	0.72	0.71	0.73	0.67
X020169	SSRP1	IPI00005154.1	255	11	7	7	1.02	0.97	0.94	0.86	0.90
X020169	ST13	IPI00032826.1	204	5	4	4	1.07	0.92	0.85	0.77	0.80

X020169	STAT5B	IPI00103415.1	633	16	2	3	1.04	1.00	1.03	1.04	1.06
X020169	STIP1	IPI00479946.3	180	7	5	5	1.13	0.85	0.85	0.78	0.83
X020169	STMN1	IPI00479997.4	236	7	4	4	1.14	0.83	0.76	0.77	0.78
X020169	STOML2	IPI00334190.4	253	4	4	4	0.96	0.84	0.86	0.73	0.81
X020169	STRAP	IPI00294536.2	103	3	3	3	0.94	0.86	0.84	0.86	0.97
X020169	SUB1	IPI00221222.7	257	15	5	9	1.08	1.13	1.11	1.12	1.03
X020169	SUPT16H	IPI00026970.4	945	28	18	18	1.03	0.99	1.08	0.94	1.08
X020169	SUPT5H	IPI00903259.1	112	5	3	3	0.99	0.94	1.07	0.99	0.98
X020169	SYMPK	IPI00023344.2	82	4	2	2	1.38	1.28	1.39	1.23	1.25
X020169	SYNCRIP	IPI00018140.3	747	19	8	8	1.24	0.95	0.84	0.67	0.73
X020169	TAF2	IPI00328144.6	64	2	2	2	1.25	0.83	1.01	0.89	0.94
X020169	TAF9	IPI00002993.1	39	2	2	2	1.40	1.01	0.89	1.53	0.79
X020169	TAGLN2	IPI00647915.1	377	12	8	9	1.16	0.84	0.86	0.78	0.77
X020169	TARDBP	IPI00025815.2	270	8	4	4	1.15	0.76	0.79	0.70	0.70
X020169	TARS	IPI00908949.1	280	10	7	7	1.14	0.95	0.96	0.94	0.84
X020169	TBL2	IPI00000948.3	228	7	3	3	1.12	0.98	1.04	0.93	0.91
X020169	TCEB2	IPI00410162.1	168	5	5	5	1.08	1.05	0.97	0.98	0.97
X020169	TCEB3	IPI00018404.4	263	7	5	5	1.12	1.36	1.19	1.12	1.12
X020169	TCERG1	IPI00247871.2	81	4	3	3	1.10	1.04	1.07	1.17	1.06
X020169	TCOF1	IPI00815713.1	1711	45	36	37	1.18	1.04	1.08	1.03	1.09
X020169	TCP1	IPI00290566.1	697	17	11	12	1.12	0.81	0.78	0.74	0.75
X020169	TF	IPI00022463.1	1035	27	18	20	0.95	1.09	1.06	1.05	1.09
X020169	TFAM	IPI00020928.1	568	19	14	15	1.39	1.08	1.11	0.79	0.96
X020169	TFPI2	IPI00009198.3	234	6	2	2	0.98	1.12	1.14	0.92	1.00
X020169	TFRC	IPI00022462.2	222	9	4	4	1.12	0.87	0.92	0.69	0.72
X020169	THOC1	IPI00305374.5	152	6	3	3	1.04	1.18	1.13	1.05	1.12
X020169	THOC2	IPI00158615.7	572	19	11	11	1.08	1.18	1.09	1.07	1.14
X020169	THOC3	IPI00063729.4	253	7	5	5	1.09	1.28	1.03	1.01	1.06
X020169	THOC4	IPI00328840.9	333	9	5	8	1.15	1.18	1.01	0.99	0.96
X020169	THOC5	IPI00299417.3	79	4	2	2	1.12	1.36	1.23	1.10	1.07
X020169	THOP1	IPI00549189.4	77	3	2	2	0.95	1.08	0.86	1.02	0.99
X020169	THRAP3	IPI00104050.3	683	17	11	11	0.93	0.94	0.98	0.92	0.97
X020169	TIMM44	IPI00306516.1	275	9	4	4	1.26	1.08	0.98	0.81	0.87
X020169	TIMM50	IPI00418497.1	384	8	6	6	1.33	1.01	0.96	1.00	0.95
X020169	TIPRL	IPI00745568.2	68	6	2	2	1.17	1.09	1.04	1.00	0.86
X020169	TK1	IPI00791117.1	261	8	6	7	1.04	0.95	0.97	0.98	0.90
X020169	TK2	IPI00337439.2	107	3	2	2	1.04	1.27	1.23	1.26	1.06
X020169	TKT	IPI00643920.3	293	7	4	4	1.57	0.88	0.88	0.79	0.75
X020169	TMPO	IPI00030131.3	116	6	4	5	1.21	1.06	0.99	0.95	0.93
X020169	TMPO	IPI00216230.3	392	11	3	3	1.00	1.02	1.02	0.97	1.08

X020169	TNPO1	IPI00024364.2	433	15	10	10	0.83	0.83	0.76	0.74	0.80
X020169	TNPO3	IPI00872398.1	233	6	3	3	0.82	0.78	0.79	0.91	0.80
X020169	TOP1	IPI00902597.1	1441	45	29	30	1.08	1.06	1.08	0.89	0.93
X020169	TPM3	IPI00218319.3	994	26	14	15	1.16	0.88	0.90	0.92	0.87
X020169	TPM4	IPI00010779.4	175	7	2	2	0.92	0.84	0.85	1.09	0.82
X020169	TPP2	IPI00640197.1	125	6	2	2	1.14	0.83	0.98	0.93	1.23
X020169	TPPP3	IPI00306413.3	224	6	2	2	0.97	1.32	1.12	0.97	1.12
X020169	TRAM1	IPI00790653.1	91	3	2	2	0.98	0.71	0.77	0.66	0.69
X020169	TRAP1	IPI00030275.5	366	9	3	4	1.83	0.92	0.87	1.32	0.83
X020169	TRIM25	IPI00029629.3	733	16	14	14	0.94	1.03	0.98	1.13	1.02
X020169	TRIM28	IPI00438229.2	617	22	13	13	1.02	0.82	0.86	0.84	0.91
X020169	TRIP6	IPI00301561.1	92	3	2	2	0.88	0.89	0.92	0.92	0.70
X020169	TROVE2	IPI00019450.2	194	8	6	6	1.00	0.91	1.02	0.86	0.86
X020169	TRRAP	IPI00069084.2	103	9	2	2	1.20	1.14	0.84	1.55	1.21
X020169	TSN	IPI00018768.1	145	3	3	3	1.27	0.94	0.93	0.88	0.91
X020169	TUBA1A	IPI00180675.4	1221	31	17	25	1.17	0.96	1.01	0.98	0.91
X020169	TUBB	IPI00011654.2	1290	50	3	5	1.14	0.95	1.10	1.03	0.98
X020169	TUBB2B	IPI00031370.3	219	5	4	4	0.92	0.96	0.99	1.02	1.01
X020169	TUFM	IPI00027107.5	566	14	10	10	1.73	0.88	0.92	0.79	0.84
X020169	TWISTNB	IPI00005477.3	152	3	2	2	1.14	1.33	1.25	1.14	1.14
X020169	TXN	IPI00216298.6	330	11	6	11	0.79	1.00	0.94	0.94	0.98
X020169	TXNRD1	IPI00884896.1	282	8	5	5	1.09	0.99	1.00	0.98	0.98
X020169	TYMS	IPI00221108.5	276	8	3	3	0.78	0.94	0.95	1.15	0.97
X020169	U2AF1	IPI00005613.3	629	22	11	20	0.99	1.11	1.01	1.05	1.01
X020169	U2AF2	IPI00031556.7	789	28	14	21	1.12	1.22	1.19	1.14	1.09
X020169	UBA1	IPI00645078.1	216	6	4	4	1.20	0.89	0.86	0.94	0.91
X020169	UBA6	IPI00023647.4	230	5	3	3	1.04	0.85	0.96	1.10	1.00
X020169	UBAP2L	IPI00514856.4	225	6	4	4	1.09	1.40	1.05	0.89	0.82
X020169	UBE2L3	IPI00909773.1	140	3	3	3	1.56	0.98	0.83	0.74	0.80
X020169	UBE2L6	IPI00329563.10	72	3	2	2	0.88	1.06	0.99	1.00	0.90
X020169	UBE2N	IPI00003949.1	166	3	3	3	1.60	0.97	0.89	0.76	0.76
X020169	UBTF	IPI00014533.1	321	14	5	5	0.88	1.00	0.96	0.96	0.92
X020169	UGCGL1	IPI00024466.2	383	14	8	8	1.06	0.92	0.96	0.96	1.01
X020169	UHRF1	IPI00797279.1	72	2	2	2	1.12	1.00	1.19	1.19	0.91
X020169	UPF1	IPI00034049.1	124	4	2	2	1.35	0.68	0.90	1.13	0.90
X020169	UPF2	IPI00300504.5	114	6	3	4	1.07	0.94	1.31	0.98	1.18
X020169	UPF3B	IPI00023409.1	142	5	2	2	1.02	1.06	0.98	0.76	0.89
X020169	UPP1	IPI00004406.1	69	2	2	2	1.15	1.06	1.23	1.52	1.22
X020169	USP10	IPI00291946.8	113	2	2	2	0.99	0.75	0.82	1.02	0.76
X020169	USP15	IPI00000728.3	241	10	5	5	0.82	0.80	0.96	0.93	0.95

X020169	USP24	IPI00902614.2	415	15	10	10	0.94	0.94	1.03	1.06	1.09
X020169	USP39	IPI00419844.3	127	4	4	4	1.05	0.98	1.09	0.80	0.98
X020169	USP9X	IPI00221012.7	303	17	4	4	0.86	0.83	0.78	0.92	0.89
X020169	UTP14A	IPI001071113.3	316	9	8	8	0.97	1.21	0.99	0.96	0.99
X020169	UTP15	IPI00152708.3	59	2	2	2	1.12	0.93	0.95	1.33	0.88
X020169	VARS	IPI00893918.1	291	7	4	4	1.07	0.77	1.19	0.97	0.85
X020169	VASP	IPI00902584.1	86	3	3	3	1.50	0.88	0.94	0.81	0.80
X020169	VAT1	IPI00156689.3	45	2	2	2	1.64	0.87	0.88	0.81	0.84
X020169	VCL	IPI00307162.2	276	8	2	2	1.07	0.70	0.70	0.80	0.68
X020169	VIM	IPI00418471.6	795	18	14	14	1.13	0.80	0.80	0.69	0.72
X020169	WASF2	IPI00472164.2	84	4	2	2	0.99	1.15	1.01	1.08	1.08
X020169	WBP11	IPI00170786.1	226	7	5	5	1.19	1.13	1.09	0.92	1.04
X020169	WDR33	IPI00106567.2	345	12	6	6	1.09	1.09	1.07	1.09	1.11
X020169	WDR61	IPI00019269.3	396	7	5	5	0.97	1.17	1.07	1.03	1.03
X020169	WDR77	IPI00012202.1	109	3	2	2	1.20	1.06	0.96	1.05	0.95
X020169	WDR82	IPI00152695.2	216	7	5	5	1.11	1.22	1.11	1.05	1.03
X020169	WDR92	IPI00465211.1	232	4	3	3	0.99	1.14	0.98	1.05	1.07
X020169	WWP2	IPI00013010.6	218	9	4	4	0.92	0.92	1.00	1.01	1.08
X020169	XPO5	IPI00640703.3	563	16	10	10	0.78	0.75	0.73	0.75	0.85
X020169	XPO7	IPI00855940.1	81	5	3	3	0.89	0.84	0.85	0.87	0.95
X020169	XPOT	IPI00306290.5	226	5	5	5	0.98	0.98	1.01	0.97	0.90
X020169	XRCC5	IPI00220834.8	522	19	10	10	1.08	0.91	0.85	0.73	0.78
X020169	XRN2	IPI00100151.4	185	6	2	2	0.92	0.87	0.93	0.86	0.93
X020169	XTP3TPA	IPI00012197.1	536	13	8	9	0.77	0.84	0.89	0.89	1.78
X020169	YARS	IPI00007074.5	685	19	14	14	1.37	0.91	1.00	0.88	0.87
X020169	YRDC	IPI00384180.4	89	3	2	2	0.94	0.92	1.03	0.75	1.00
X020169	YWHAE	IPI00000816.1	538	14	8	9	1.56	0.85	0.93	0.79	0.78
X020169	YWHAG	IPI00220642.7	195	6	3	3	1.59	0.84	0.74	0.76	0.67
X020169	YY1	IPI00878557.1	342	11	6	6	1.15	1.19	1.12	1.02	1.00
X020169	ZC3H11A	IPI00328306.9	2149	60	41	44	0.95	1.02	1.04	1.04	1.07
X020169	ZC3H14	IPI00903256.1	1223	36	26	27	0.95	1.09	1.08	1.05	1.07
X020169	ZC3H15	IPI00000279.3	500	10	10	10	1.27	1.21	1.14	0.95	0.95
X020169	ZC3H4	IPI00187011.4	353	11	7	8	0.86	0.94	0.92	0.93	0.99
X020169	ZC3H6	IPI00410656.1	152	6	4	4	0.85	0.91	0.91	1.03	1.01
X020169	ZC3H8	IPI00307760.7	340	13	9	10	0.86	1.09	1.09	1.13	1.13
X020169	ZC3HAV1	IPI00410067.1	162	7	2	2	0.93	0.87	0.92	0.92	0.82
X020169	ZGPAT	IPI00553175.7	81	2	2	2	1.01	1.21	1.13	0.97	0.99
X020169	ZMAT2	IPI00069734.2	86	4	3	3	1.12	1.21	3.30	0.96	1.05
X020169	ZNF207	IPI00792837.1	163	5	4	4	1.10	1.10	0.92	0.97	0.97
X020169	ZRANB2	IPI00845348.1	219	6	3	3	1.07	0.96	0.99	0.96	0.89

X020169	ZW10	IPI00011631.6	55	3	2	2	1.19	1.04	1.17	1.39	1.01
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ion of

TMT129L	Hill	IC50	pIC50
1.00	0.52	0.16	6.80
1.00	1.00	24.00	4.62
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	2.2	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.04	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	0.93	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1.36	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1.17	≥ 40.00	≤ 4.40
1.00	2.3	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	0.58	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	0.84	≥ 40.00	≤ 4.40
1.00	0.56	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	0.71	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1.12	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	0.5	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	0.57	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.81	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	0.94	≥ 40.00	≤ 4.40
1.00	0.55	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	0.56	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	0.95	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	0.63	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	2.04	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.36	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	0.52	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.65	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1.05	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	2.37	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	2.45	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	0.73	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.23	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1.53	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	2.48	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.79	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	0.96	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	0.6	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1.11	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	0.96	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	2.37	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.44	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.66	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1.07	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.77	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	0.51	≥ 40.00	≤ 4.40

1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1.27	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.83	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.85	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.12	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	0.82	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1.26	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	1	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40
1.00	NA	≥ 40.00	≤ 4.40

1.00	NA	≥ 40.00	≤ 4.40
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Table S10. Data collection and refinement statistics.

	Compound 1	Compound 6
Beamline	i03	i04
Wavelength (Å)	0.9200 Å	0.9795 Å
Resolution range (Å)	61.37 - 1.37 (1.44 - 1.37)	44.63 - 1.64 (1.68 - 1.64)
Space group	I 4	I 4
Unit cell	88.7 88.7 85.0 90 90 90	89.3 89.3 84.8 90 90 90
Total reflections	589436 (75978)	298573 (23295)
Unique reflections	68980 (9175)	40582 (3014)
Multiplicity	8.5 (8.3)	7.4 (7.7)
Completeness (%)	100.0 (100.0)	99.7 (99.9)
Mean I/sigma(I)	9.2 (1.6)	8.9 (1.2)
Wilson B-factor	13.78	26.23
R-merge	0.104 (1.90)	0.101 (1.27)
R-meas	0.115 (2.20)	0.122 (1.45)
CC1/2	0.998 (0.633)	0.996 (0.544)
R-work	0.20 (0.33)	0.19 (0.28)
R-free	0.21 (0.33)	0.20 (0.29)
Number of non-hydrogen atoms	2705	2581
macromolecules	2313	2304
ligands	43	53
water	349	224
Protein residues	330	332
RMS(bonds)	0.009	0.011
RMS(angles)	1.16	1.21
Ramachandran favored (%)	98	97
Ramachandran outliers (%)	0	0
Clashscore	2.75	9.14
Average B-factor	19.5	33.3
macromolecules	17.9	32.5
ligands	16.6	35.1
solvent	30.9	40.8

Statistics for the highest-resolution shell are shown in parentheses.