Small Area Estimation of Poverty Mapping in West African Countries by Integrating Survey, Geospatial Data and ACLED Data

Aboubacar HEMA

20 September, 2024

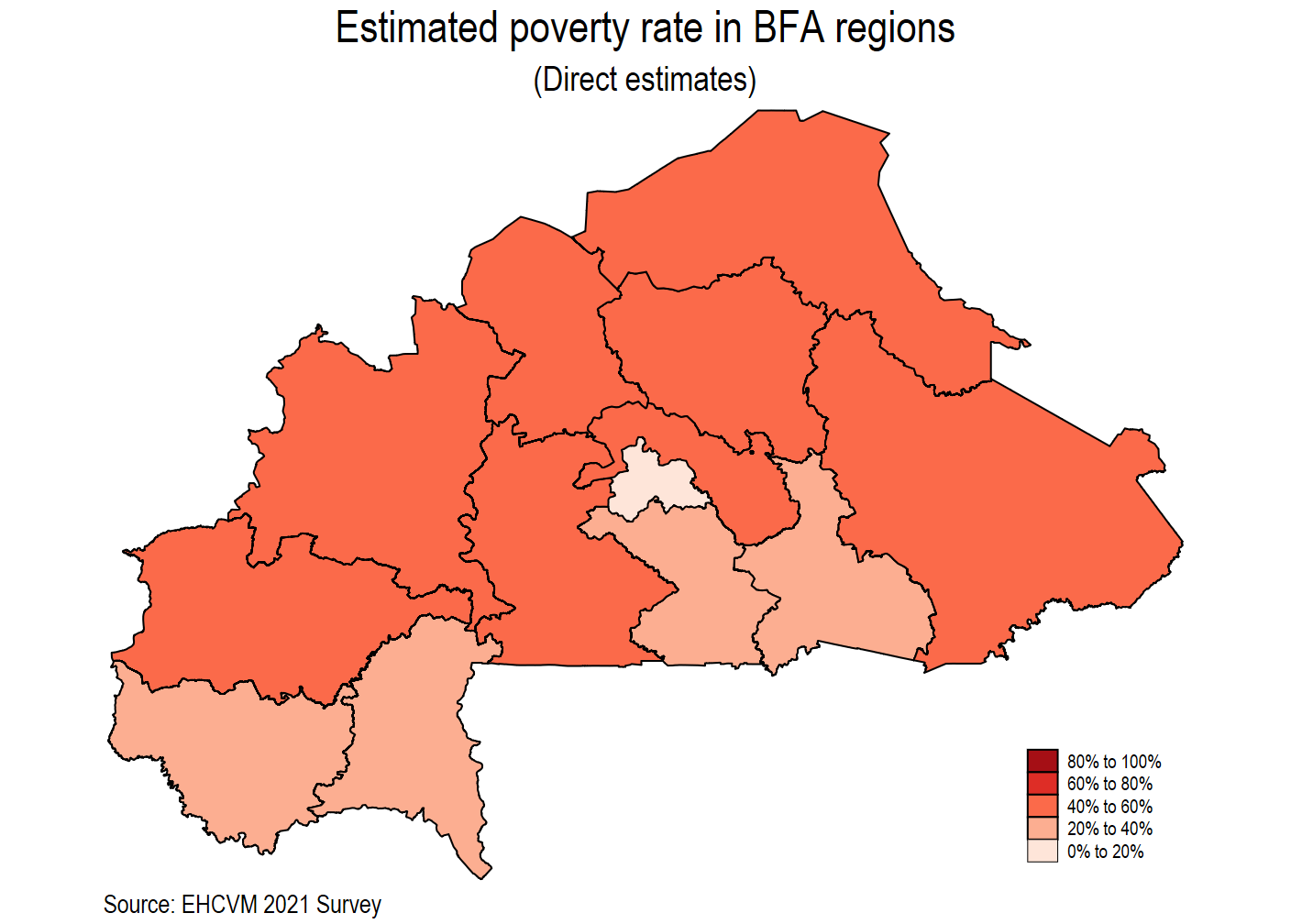
**Estimates and maps**

Direct estimates where the Survey Household is representative. Direct estimates do not use auxiliary data by definition; thus, we just use the poverty dummy indicator from the EHCVM-2021 to calculate it. Direct estimates are calculated solely using the household survey data, that is why you will find some communes with missing values in the direct estimate’s tables. The EHCVM-2021 is representative at the national, urban/rural, and regional level.

## Direct estimates at the national and urban/rural level.

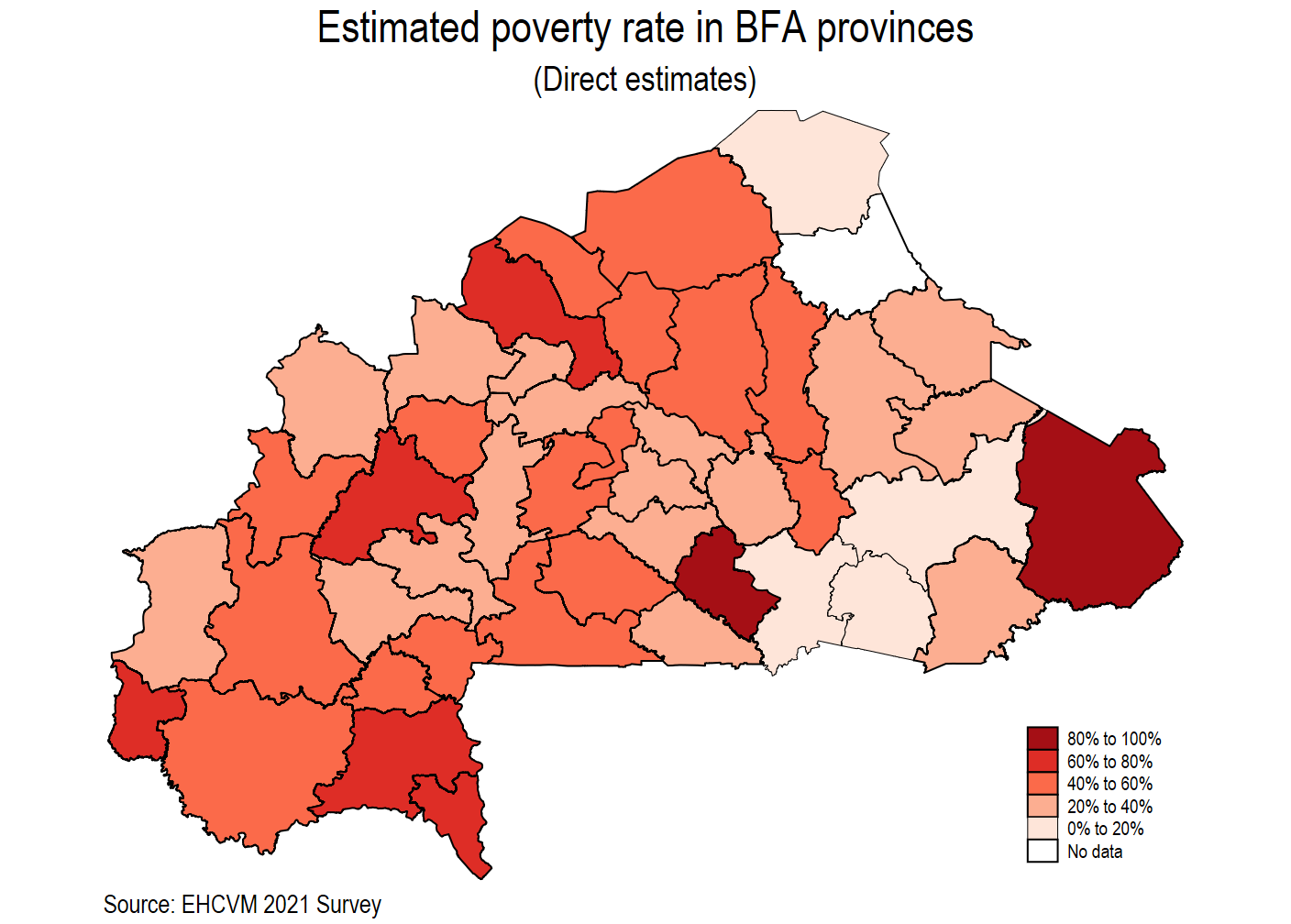
## Direct and FH estimates at the first administrative level

| **Table : Direct and FH estimates at the regional level** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Area level (admin 1) | Sample size (Survey) | #Households | Direct estimate (FGT0) | Direct estimate Variance | FH estimate | FH estimate Variance | FH estimate CV |
| Centre | 403 | 2,431 | 3.9664 | 0.00016 | 4.0031 | 0.01487 | 37.15247 |
| Boucle du Mouhoum | 261 | 1,811 | 52.0928 | 0.00404 | 47.4574 | 0.05279 | 11.12343 |
| Cascades | 206 | 1,624 | 22.9939 | 0.00135 | 22.9500 | 0.04063 | 17.70401 |
| Centre-Est | 272 | 1,674 | 31.3695 | 0.00171 | 29.6120 | 0.04143 | 13.98963 |
| Centre-Nord | 220 | 1,575 | 42.8945 | 0.00190 | 43.8303 | 0.04582 | 10.45327 |
| Centre-Ouest | 230 | 1,495 | 43.3551 | 0.00306 | 44.4248 | 0.05343 | 12.02787 |
| Centre-Sud | 232 | 1,337 | 30.5570 | 0.00226 | 32.7030 | 0.04096 | 12.52578 |
| Est | 226 | 1,556 | 49.2237 | 0.00351 | 47.8015 | 0.06052 | 12.66149 |
| Hauts-Bassins | 360 | 2,856 | 41.1452 | 0.00120 | 42.3841 | 0.03700 | 8.72998 |
| Nord | 206 | 1,529 | 51.9681 | 0.00308 | 52.3356 | 0.05760 | 11.00659 |
| Plateau-Central | 210 | 1,518 | 42.0863 | 0.00253 | 39.2913 | 0.04938 | 12.56840 |
| Sahel | 141 | 903 | 45.9320 | 0.00541 | 48.1252 | 0.07219 | 15.00092 |
| Sud-Ouest | 260 | 1,737 | 34.4911 | 0.00313 | 34.9366 | 0.05820 | 16.65830 |
|  | | | | | | | |



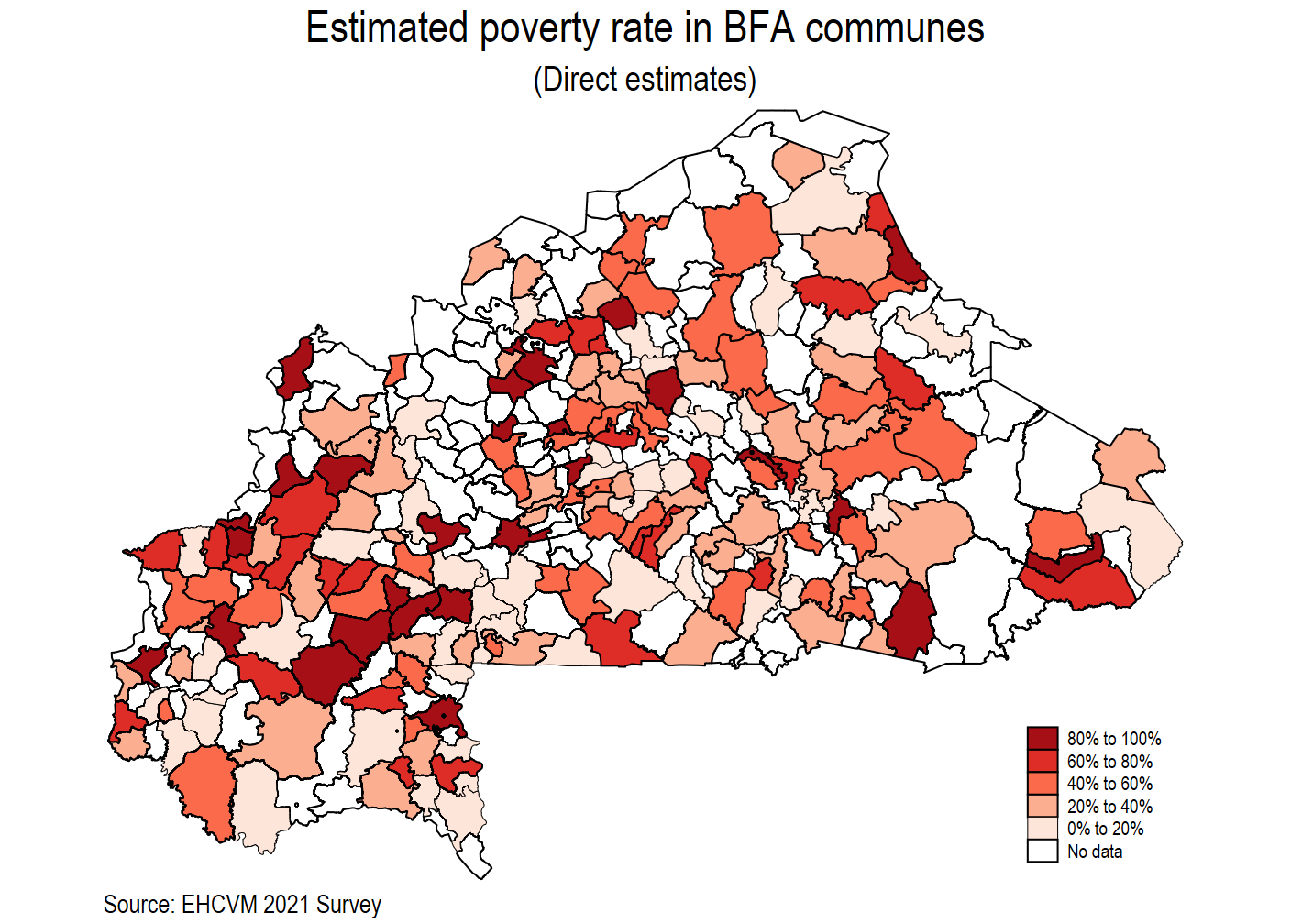
Direct estimate at the first level

## Direct and FH estimates at the second administrative level



| **Table : Direct and FH estimates at the department level** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Area level (admin 1) | Area level (admin 2) | Sample size (Survey) | #Households | Direct estimate (FGT0) | Direct estimate Variance | FH estimate | FH estimate Variance | FH estimate CV |
| Centre-Sud | Zoundwéogo | 82 | 523 | 19.6345 | 0.00391 |  |  |  |
| Centre | Kadiogo | 403 | 2,431 | 3.9664 | 0.00016 | 4.1186 | 0.01280 | 31.075714 |
| Boucle du Mouhoum | Bale | 40 | 259 | 33.2934 | 0.00531 | 31.4913 | 0.06751 | 21.437006 |
| Boucle du Mouhoum | Banwa | 53 | 403 | 79.5501 | 0.00186 | 77.3989 | 0.04197 | 5.421921 |
| Boucle du Mouhoum | Kossi | 30 | 236 | 59.7162 | 0.03885 | 60.9803 | 0.12148 | 19.921793 |
| Boucle du Mouhoum | Mouhoun | 72 | 452 | 21.5113 | 0.00896 | 18.6899 | 0.08750 | 46.815125 |
| Boucle du Mouhoum | Nayala | 30 | 214 | 29.7197 | 0.01222 | 35.0300 | 0.09408 | 26.857937 |
| Boucle du Mouhoum | Sourou | 36 | 247 | 53.6172 | 0.00453 | 56.1449 | 0.06343 | 11.297350 |
| Cascades | Comoé | 170 | 1,220 | 19.8440 | 0.00173 | 21.7869 | 0.04028 | 18.487764 |
| Cascades | Léraba | 36 | 404 | 37.4854 | 0.00303 | 36.7091 | 0.05309 | 14.462294 |
| Centre-Est | Boulgou | 132 | 671 | 25.7948 | 0.00357 | 27.5083 | 0.05668 | 20.604105 |
| Centre-Est | Koulpélogo | 50 | 403 | 44.2830 | 0.00860 | 45.9420 | 0.07945 | 17.293926 |
| Centre-Est | Kouritenga | 90 | 600 | 31.9637 | 0.00443 | 33.1056 | 0.06171 | 18.641853 |
| Centre-Nord | Bam | 60 | 460 | 39.6037 | 0.00636 | 39.7498 | 0.07135 | 17.948536 |
| Centre-Nord | Namentenga | 47 | 338 | 34.3149 | 0.00373 | 37.1569 | 0.05730 | 15.420025 |
| Centre-Nord | Sanmatenga | 113 | 777 | 47.6619 | 0.00395 | 46.2419 | 0.05865 | 12.683060 |
| Centre-Ouest | Boulkiemdé | 113 | 701 | 40.6394 | 0.00725 | 39.4576 | 0.07529 | 19.081432 |
| Centre-Ouest | Sanguié | 54 | 364 | 65.8861 | 0.00910 | 64.6133 | 0.08424 | 13.036990 |
| Centre-Ouest | Sissili | 45 | 302 | 24.2178 | 0.00445 | 26.6565 | 0.06401 | 24.014009 |
| Centre-Ouest | Ziro | 18 | 128 | 31.4181 | 0.02039 | 27.4511 | 0.11011 | 40.112057 |
| Centre-Sud | Bazega | 78 | 452 | 43.5070 | 0.00379 | 41.3507 | 0.05862 | 14.177114 |
| Centre-Sud | Nahouri | 72 | 362 | 33.4772 | 0.00489 | 32.0646 | 0.06511 | 20.305283 |
| Est | Gnagna | 72 | 542 | 43.6363 | 0.00845 | 45.0402 | 0.07871 | 17.475271 |
| Est | Gourma | 102 | 652 | 29.3920 | 0.00388 | 26.6701 | 0.05995 | 22.477766 |
| Est | Komandjoari | 11 | 90 | 54.3032 | 0.07157 | 39.6812 | 0.13376 | 33.709728 |
| Est | Tapoa | 41 | 272 | 66.0952 | 0.00924 | 60.9739 | 0.08130 | 13.334213 |
| Hauts-Bassins | Houet | 234 | 1,831 | 34.0578 | 0.00203 | 34.6180 | 0.04338 | 12.531326 |
| Hauts-Bassins | Kénédougou | 66 | 577 | 48.6171 | 0.00490 | 47.9140 | 0.06456 | 13.473540 |
| Hauts-Bassins | Tuy | 60 | 448 | 74.4062 | 0.00548 | 69.0343 | 0.06691 | 9.692372 |
| Nord | Loroum | 24 | 179 | 82.9827 | 0.01952 | 71.8067 | 0.11577 | 16.122112 |
| Nord | Passoré | 54 | 387 | 54.5356 | 0.00620 | 55.1889 | 0.07138 | 12.933088 |
| Nord | Yatenga | 104 | 769 | 38.1794 | 0.00448 | 36.5932 | 0.06300 | 17.215921 |
| Nord | Zondoma | 24 | 194 | 81.7498 | 0.00856 | 77.1199 | 0.08623 | 11.181650 |
| Plateau-Central | Ganzourgou | 96 | 641 | 43.9097 | 0.00543 | 44.5475 | 0.06707 | 15.055243 |
| Plateau-Central | Kourwéogo | 42 | 351 | 55.1043 | 0.00841 | 49.4498 | 0.08050 | 16.280117 |
| Plateau-Central | Oubritenga | 72 | 526 | 28.0919 | 0.00435 | 30.9757 | 0.06141 | 19.823627 |
| Sahel | Oudalan | 24 | 159 | 0.7932 | 0.00010 | 0.9079 | 0.01003 | 110.444542 |
| Sahel | Seno | 47 | 294 | 60.7073 | 0.02474 | 41.6955 | 0.11217 | 26.901880 |
| Sahel | Soum | 52 | 360 | 46.5656 | 0.00786 | 45.0849 | 0.07711 | 17.102909 |
| Sahel | Yagha | 18 | 90 | 41.6782 | 0.00367 | 43.9940 | 0.05786 | 13.152643 |
| Sud-Ouest | Bougouriba | 46 | 347 | 54.0426 | 0.01169 | 49.8452 | 0.08845 | 17.744471 |
| Sud-Ouest | Ioba | 84 | 596 | 24.0744 | 0.00249 | 26.1389 | 0.04777 | 18.275955 |
| Sud-Ouest | Noumbiel | 36 | 229 | 22.3080 | 0.01758 | 27.6436 | 0.11095 | 40.135704 |
| Sud-Ouest | Poni | 94 | 565 | 44.9204 | 0.01078 | 47.6840 | 0.09062 | 19.003304 |
|  | | | | | | | | |

## Direct and FH estimates at the third administrative level



| **Table : Direct and FH estimates at the communal level** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Area level (admin 1) | Area level (admin 2) | Area level (admin 3) | #Households | Direct estimate (FGT0) | Direct estimate Variance | FH estimate | FH estimate Variance | FH estimate CV |
| BF13 | BF1300 | BF130001 | 44 | 25.0000 | 0.03461 | 27.1991 | 0.14999 | 55.145721 |
| BF13 | BF1300 | BF130002 | 139 | 15.9091 | 0.02626 | 26.5798 | 0.13331 | 50.155354 |
| BF13 | BF1300 | BF130003 | 192 | 9.5623 | 0.00442 | 12.1258 | 0.06396 | 52.744892 |
| BF13 | BF1300 | BF130004 | 1,523 | 27.0500 | 0.00912 | 26.7560 | 0.08890 | 33.225567 |
| BF13 | BF1300 | BF130006 | 212 | 1.4871 | 0.00005 | 1.5261 | 0.00676 | 44.266922 |
| BF13 | BF1300 | BF130007 | 226 | 4.4107 | 0.00105 | 5.2176 | 0.03219 | 61.687656 |
| BF46 | BF4601 | BF460101 | 48 | 31.3735 | 0.01387 | 32.2849 | 0.10573 | 32.748978 |
| BF46 | BF4601 | BF460102 | 40 | 45.8333 | 0.05390 | 50.3376 | 0.16547 | 32.872021 |
| BF46 | BF4601 | BF460103 | 51 | 42.5000 | 0.05668 | 37.9124 | 0.17103 | 45.112835 |
| BF46 | BF4601 | BF460104 | 48 | 12.7783 | 0.01533 | 15.5963 | 0.11066 | 70.955933 |
| BF46 | BF4601 | BF460105 | 45 | 18.7500 | 0.03358 | 20.1013 | 0.14908 | 74.161980 |
| BF51 | BF5102 | BF460106 | 58 | 88.8889 | 0.01416 | 81.5817 | 0.10638 | 13.039901 |
| BF46 | BF4601 | BF460108 | 27 | 3.7024 | 0.00158 | 4.6859 | 0.03924 | 83.749947 |
| BF46 | BF4602 | BF460201 | 39 | 11.1111 | 0.01545 | 21.2289 | 0.11046 | 52.030891 |
| BF46 | BF4602 | BF460202 | 45 |  |  | 52.9314 | 0.23420 | 44.246265 |
| BF46 | BF4602 | BF460204 | 57 | 37.7778 | 0.05279 | 38.6687 | 0.16604 | 42.939323 |
| BF46 | BF4602 | BF460205 | 220 | 91.2281 | 0.00940 | 85.6575 | 0.09002 | 10.508960 |
| BF46 | BF4602 | BF460206 |  |  |  | 52.8172 | 0.23738 | 44.944294 |
| BF46 | BF4603 | BF460303 | 34 | 83.6739 | 0.00977 | 81.0065 | 0.09212 | 11.372511 |
| BF46 | BF4603 | BF460304 | 56 | 50.0000 | 0.06073 | 46.8234 | 0.17330 | 37.010906 |
| BF46 | BF4603 | BF460309 | 146 |  |  | 46.5450 | 0.23185 | 49.811165 |
| BF46 | BF4604 | BF460401 | 49 | 41.5766 | 0.02052 | 36.2807 | 0.12458 | 34.338032 |
| BF46 | BF4604 | BF460402 | 240 | 24.4898 | 0.04940 | 22.9473 | 0.16621 | 72.431892 |
| BF46 | BF4604 | BF460403 | 55 | 23.9362 | 0.00777 | 23.7766 | 0.08334 | 35.053059 |
| BF46 | BF4604 | BF460405 | 39 | 14.5455 | 0.02298 | 18.9315 | 0.12961 | 68.463692 |
| BF46 | BF4604 | BF460406 | 43 | 41.0256 | 0.05599 | 41.1867 | 0.16968 | 41.197792 |
| BF46 | BF4604 | BF460407 |  |  |  | 66.3920 | 0.24181 | 36.422237 |
| BF46 | BF4605 | BF460501 | 33 |  |  | 62.3918 | 0.23711 | 38.003838 |
| BF46 | BF4605 | BF460504 |  |  |  | 48.7693 | 0.23065 | 47.294018 |
| BF46 | BF4605 | BF460506 |  |  |  | 52.3315 | 0.23931 | 45.730171 |
| BF46 | BF4606 | BF460601 | 40 | 36.3636 | 0.07897 | 45.1868 | 0.17997 | 39.828770 |
| BF46 | BF4606 | BF460606 | 39 | 42.5000 | 0.05001 | 47.4402 | 0.16319 | 34.398026 |
| BF46 | BF4606 | BF460608 |  |  |  | 53.0455 | 0.23617 | 44.522446 |
| BF47 | BF4701 | BF470101 | 517 | 46.1538 | 0.05821 | 44.0311 | 0.16763 | 38.071037 |
| BF47 | BF4701 | BF470102 | 19 | 9.8779 | 0.00216 | 10.7445 | 0.04578 | 42.606922 |
| BF47 | BF4701 | BF470103 | 64 | 15.7895 | 0.02635 | 28.6846 | 0.13446 | 46.874466 |
| BF47 | BF4701 | BF470105 | 286 | 16.8660 | 0.01398 | 24.0289 | 0.10594 | 44.087154 |
| BF47 | BF4701 | BF470107 | 118 | 43.1245 | 0.01574 | 44.2861 | 0.11132 | 25.135796 |
| BF47 | BF4701 | BF470108 | 141 | 38.7823 | 0.02308 | 40.3120 | 0.12768 | 31.672720 |
| BF47 | BF4701 | BF470109 |  |  |  | 51.8159 | 0.23201 | 44.776756 |
| BF47 | BF4702 | BF470202 | 65 | 13.6352 | 0.01663 | 21.7713 | 0.11314 | 51.966831 |
| BF47 | BF4702 | BF470204 | 49 | 61.5385 | 0.05137 | 52.6029 | 0.16293 | 30.973116 |
| BF47 | BF4702 | BF470205 | 174 | 83.6735 | 0.01763 | 74.1463 | 0.11578 | 15.614623 |
| BF47 | BF4702 | BF470206 | 74 | 41.3313 | 0.03059 | 40.1622 | 0.14123 | 35.165169 |
| BF47 | BF4702 | BF470207 | 42 | 18.9189 | 0.02685 | 19.5909 | 0.13842 | 70.653595 |
| BF48 | BF4801 | BF480101 | 39 | 14.2857 | 0.02232 | 17.1099 | 0.12928 | 75.559090 |
| BF48 | BF4801 | BF480102 | 42 | 25.6410 | 0.05312 | 37.6395 | 0.16407 | 43.590866 |
| BF48 | BF4801 | BF480103 | 31 | 52.3810 | 0.05789 | 52.6897 | 0.17205 | 32.654118 |
| BF48 | BF4801 | BF480105 | 125 |  |  | 56.9405 | 0.23141 | 40.640240 |
| BF48 | BF4801 | BF480106 | 121 | 43.0391 | 0.02518 | 42.1695 | 0.13339 | 31.632582 |
| BF48 | BF4801 | BF480107 | 109 | 65.1743 | 0.01864 | 60.1803 | 0.11926 | 19.816320 |
| BF48 | BF4801 | BF480108 | 24 | 33.3264 | 0.01352 | 37.8508 | 0.10480 | 27.687061 |
| BF48 | BF4801 | BF480110 |  |  |  | 47.9444 | 0.23542 | 49.102524 |
| BF48 | BF4801 | BF480111 |  |  |  | 48.6638 | 0.23045 | 47.355827 |
| BF48 | BF4801 | BF480113 |  |  |  | 28.3876 | 0.25540 | 89.967957 |
| BF48 | BF4802 | BF480201 | 39 | 25.0000 | 0.05313 | 42.8170 | 0.16793 | 39.220741 |
| BF48 | BF4802 | BF480203 | 31 | 46.1538 | 0.05990 | 53.1259 | 0.17020 | 32.036198 |
| BF48 | BF4802 | BF480204 | 107 | 64.5161 | 0.05626 | 55.2574 | 0.16649 | 30.129164 |
| BF48 | BF4802 | BF480205 | 45 | 39.6273 | 0.02427 | 42.2186 | 0.12988 | 30.763182 |
| BF48 | BF4802 | BF480206 | 66 | 35.5556 | 0.06036 | 44.0540 | 0.16890 | 38.339489 |
| BF48 | BF4802 | BF480207 |  |  |  | 48.0527 | 0.23050 | 47.968475 |
| BF48 | BF4802 | BF480208 |  |  |  | 55.8982 | 0.23292 | 41.667789 |
| BF48 | BF4803 | BF480301 | 38 |  |  | 44.9695 | 0.23717 | 52.740372 |
| BF48 | BF4803 | BF480302 | 35 | 26.3158 | 0.03509 | 30.1634 | 0.14676 | 48.656487 |
| BF48 | BF4803 | BF480303 | 32 | 20.0000 | 0.03722 | 34.1157 | 0.14974 | 43.891869 |
| BF48 | BF4803 | BF480304 | 59 | 59.3750 | 0.04938 | 50.6440 | 0.16181 | 31.950205 |
| BF53 | BF5302 | BF480305 | 74 | 84.7458 | 0.02498 | 75.0224 | 0.13141 | 17.515518 |
| BF48 | BF4803 | BF480306 | 133 | 83.7838 | 0.01943 | 72.9093 | 0.11985 | 16.438904 |
| BF48 | BF4803 | BF480307 | 152 | 18.0660 | 0.00993 | 20.9949 | 0.09236 | 43.991558 |
| BF48 | BF4803 | BF480308 |  |  |  | 44.5839 | 0.23580 | 52.889927 |
| BF48 | BF4803 | BF480309 |  |  |  | 43.1476 | 0.23035 | 53.387020 |
| BF49 | BF4901 | BF490101 | 105 | 6.7647 | 0.00226 | 8.3014 | 0.04659 | 56.126324 |
| BF51 | BF5103 | BF490102 | 33 | 44.7016 | 0.03298 | 45.6416 | 0.14396 | 31.540686 |
| BF49 | BF4901 | BF490103 | 205 | 42.4242 | 0.06082 | 44.7847 | 0.17061 | 38.096180 |
| BF49 | BF4901 | BF490105 | 66 | 20.6027 | 0.00847 | 24.2561 | 0.08594 | 35.430931 |
| BF49 | BF4901 | BF490107 | 41 |  |  | 53.5897 | 0.23448 | 43.755123 |
| BF49 | BF4901 | BF490108 |  |  |  | 38.0477 | 0.23477 | 61.703182 |
| BF49 | BF4902 | BF490201 | 72 | 26.8293 | 0.05632 | 29.8829 | 0.16910 | 56.586983 |
| BF49 | BF4902 | BF490202 | 149 | 45.8333 | 0.05312 | 48.6969 | 0.16449 | 33.778633 |
| BF49 | BF4902 | BF490203 | 35 | 37.9529 | 0.03756 | 45.5057 | 0.15001 | 32.964417 |
| BF49 | BF4902 | BF490204 | 45 | 14.2857 | 0.02251 | 23.2775 | 0.12696 | 54.542690 |
| BF49 | BF4902 | BF490206 |  |  |  | 45.3942 | 0.23339 | 51.413601 |
| BF49 | BF4903 | BF490301 | 41 | 40.0000 | 0.06183 | 38.3840 | 0.17264 | 44.977352 |
| BF49 | BF4903 | BF490304 | 437 | 58.5366 | 0.04876 | 48.2088 | 0.16143 | 33.485291 |
| BF49 | BF4903 | BF490305 | 37 | 46.0629 | 0.01277 | 46.9072 | 0.10207 | 21.759756 |
| BF49 | BF4903 | BF490306 | 45 | 13.5135 | 0.01991 | 22.8902 | 0.12137 | 53.022789 |
| BF49 | BF4903 | BF490309 | 37 | 86.6667 | 0.01949 | 77.3175 | 0.12041 | 15.573860 |
| BF49 | BF4903 | BF490310 | 49 | 21.6216 | 0.04188 | 30.2271 | 0.15478 | 51.204178 |
| BF49 | BF4903 | BF490311 |  |  |  | 33.6537 | 0.23428 | 69.614792 |
| BF50 | BF5001 | BF500101 | 32 | 73.4694 | 0.04091 | 67.1954 | 0.15357 | 22.853968 |
| BF50 | BF5001 | BF500103 | 81 | 50.0000 | 0.06270 | 51.4296 | 0.17096 | 33.240612 |
| BF50 | BF5001 | BF500104 | 54 |  |  | 46.0914 | 0.23331 | 50.618439 |
| BF50 | BF5001 | BF500105 | 345 | 33.3333 | 0.04911 | 37.9167 | 0.16076 | 42.397778 |
| BF50 | BF5001 | BF500106 | 37 | 48.0147 | 0.00973 | 48.5957 | 0.09114 | 18.755749 |
| BF50 | BF5001 | BF500109 | 48 | 54.0541 | 0.05214 | 55.4680 | 0.16410 | 29.585367 |
| BF50 | BF5001 | BF500110 | 35 | 45.8333 | 0.06643 | 48.5109 | 0.17592 | 36.263992 |
| BF50 | BF5001 | BF500112 | 37 | 37.1429 | 0.05310 | 35.0531 | 0.17073 | 48.706390 |
| BF50 | BF5001 | BF500114 | 32 |  |  | 56.2841 | 0.23595 | 41.921246 |
| BF50 | BF5002 | BF500202 | 44 | 65.6250 | 0.04957 | 53.5298 | 0.16217 | 30.294397 |
| BF50 | BF5002 | BF500203 | 48 | 63.6364 | 0.05099 | 59.9396 | 0.16828 | 28.074461 |
| BF50 | BF5002 | BF500206 | 32 |  |  | 52.0547 | 0.23120 | 44.414452 |
| BF50 | BF5002 | BF500207 | 150 | 90.6250 | 0.01065 | 84.4857 | 0.09470 | 11.208409 |
| BF50 | BF5002 | BF500208 |  |  |  | 60.8538 | 0.23843 | 39.180405 |
| BF50 | BF5002 | BF500209 |  |  |  | 43.3356 | 0.24018 | 55.424152 |
| BF50 | BF5003 | BF500301 | 45 | 51.6137 | 0.01547 | 48.5320 | 0.11126 | 22.925816 |
| BF50 | BF5003 | BF500302 | 37 | 75.5556 | 0.03282 | 59.3013 | 0.15118 | 25.493568 |
| BF50 | BF5003 | BF500303 | 115 | 43.2432 | 0.05824 | 39.7845 | 0.16911 | 42.506954 |
| BF50 | BF5003 | BF500305 | 42 | 5.1611 | 0.00277 | 7.2300 | 0.05138 | 71.066681 |
| BF50 | BF5003 | BF500306 | 23 | 19.0476 | 0.03618 | 35.7269 | 0.14857 | 41.586063 |
| BF50 | BF5003 | BF500307 |  |  |  | 49.7695 | 0.23150 | 46.514477 |
| BF50 | BF5004 | BF500403 | 60 |  |  | 44.1236 | 0.23471 | 53.193497 |
| BF50 | BF5004 | BF500405 | 46 | 53.3333 | 0.05401 | 47.2976 | 0.16577 | 35.049107 |
| BF50 | BF5004 | BF500406 | 22 | 56.5217 | 0.05339 | 41.1194 | 0.17063 | 41.497066 |
| BF51 | BF5101 | BF510101 | 38 |  |  | 44.3697 | 0.22990 | 51.813904 |
| BF51 | BF5101 | BF510103 | 32 | 71.0526 | 0.04001 | 58.4173 | 0.15764 | 26.985373 |
| BF51 | BF5101 | BF510104 | 57 | 62.5000 | 0.07727 | 61.0169 | 0.18495 | 30.310797 |
| BF51 | BF5101 | BF510105 | 214 | 68.4211 | 0.05047 | 50.8826 | 0.16443 | 32.314972 |
| BF51 | BF5101 | BF510106 | 36 | 22.1191 | 0.00726 | 24.5214 | 0.08024 | 32.724483 |
| BF51 | BF5101 | BF510107 |  |  |  | 38.9731 | 0.23331 | 59.865650 |
| BF51 | BF5102 | BF510202 | 180 | 55.5556 | 0.05348 | 49.3486 | 0.16465 | 33.365032 |
| BF51 | BF5102 | BF510203 |  |  |  | 38.7072 | 0.23287 | 60.161186 |
| BF51 | BF5102 | BF510204 |  |  |  | 57.5100 | 0.23537 | 40.926151 |
| BF51 | BF5102 | BF510205 |  |  |  | 55.0697 | 0.23171 | 42.076035 |
| BF51 | BF5103 | BF510301 | 33 | 45.0024 | 0.01999 | 40.2685 | 0.12354 | 30.679516 |
| BF51 | BF5103 | BF510302 | 33 | 36.3636 | 0.05619 | 42.0388 | 0.16655 | 39.617363 |
| BF51 | BF5103 | BF510303 | 91 | 42.4242 | 0.05623 | 44.7407 | 0.16697 | 37.319077 |
| BF51 | BF5103 | BF510304 | 66 | 42.3276 | 0.02601 | 44.8486 | 0.13308 | 29.672434 |
| BF51 | BF5103 | BF510306 | 187 | 3.8398 | 0.00168 | 4.8294 | 0.04036 | 83.569550 |
| BF51 | BF5103 | BF510307 | 80 | 6.8315 | 0.00225 | 8.2126 | 0.04650 | 56.622059 |
| BF52 | BF5201 | BF520101 | 105 | 20.3771 | 0.01793 | 24.7445 | 0.11710 | 47.321850 |
| BF52 | BF5201 | BF520102 | 201 | 55.6850 | 0.02722 | 49.6797 | 0.13537 | 27.248055 |
| BF52 | BF5201 | BF520103 | 42 | 55.6945 | 0.01655 | 53.5505 | 0.11303 | 21.106842 |
| BF52 | BF5201 | BF520104 | 59 | 9.5238 | 0.01095 | 14.6416 | 0.09592 | 65.513084 |
| BF52 | BF5201 | BF520105 | 46 | 62.7119 | 0.05067 | 57.0816 | 0.16308 | 28.569927 |
| BF52 | BF5201 | BF520106 | 89 | 47.8261 | 0.06013 | 46.9848 | 0.16951 | 36.076569 |
| BF52 | BF5202 | BF520201 | 38 | 30.5418 | 0.02573 | 33.3851 | 0.13367 | 40.039906 |
| BF52 | BF5202 | BF520202 | 49 | 60.5263 | 0.04913 | 51.6185 | 0.16122 | 31.233505 |
| BF52 | BF5202 | BF520203 | 528 | 26.5306 | 0.05706 | 35.2220 | 0.16681 | 47.359703 |
| BF52 | BF5202 | BF520206 |  |  |  | 53.0069 | 0.23274 | 43.908123 |
| BF52 | BF5203 | BF520303 | 90 | 24.5897 | 0.00572 | 26.0226 | 0.07218 | 27.737165 |
| BF52 | BF5205 | BF520501 | 14 | 53.0543 | 0.02675 | 53.7856 | 0.13924 | 25.888683 |
| BF52 | BF5205 | BF520502 | 57 | 21.4286 | 0.06536 | 34.2765 | 0.17311 | 50.502506 |
| BF52 | BF5205 | BF520504 | 29 | 2.6458 | 0.00088 | 3.4625 | 0.02946 | 85.076653 |
| BF52 | BF5205 | BF520506 | 45 | 75.8621 | 0.06152 | 55.8594 | 0.17066 | 30.551401 |
| BF52 | BF5205 | BF520507 | 41 | 68.8889 | 0.03868 | 59.9379 | 0.15188 | 25.339916 |
| BF53 | BF5301 | BF530101 | 85 |  |  | 55.6880 | 0.23417 | 42.049938 |
| BF53 | BF5301 | BF530102 | 1,019 | 64.1922 | 0.02485 | 54.6359 | 0.13109 | 23.993338 |
| BF53 | BF5301 | BF530104 | 64 | 23.4007 | 0.00252 | 24.9235 | 0.04912 | 19.707617 |
| BF53 | BF5301 | BF530105 | 56 | 92.1875 | 0.00762 | 85.9930 | 0.08207 | 9.543626 |
| BF53 | BF5301 | BF530106 | 81 |  |  | 48.8844 | 0.23180 | 47.417072 |
| BF53 | BF5301 | BF530107 | 126 |  |  | 51.8622 | 0.23217 | 44.766258 |
| BF53 | BF5301 | BF530108 | 52 |  |  | 54.0647 | 0.23121 | 42.765186 |
| BF53 | BF5301 | BF530110 | 197 | 78.8462 | 0.02804 | 69.9491 | 0.13794 | 19.719616 |
| BF53 | BF5301 | BF530111 | 53 | 88.1515 | 0.00632 | 84.1159 | 0.07538 | 8.961018 |
| BF53 | BF5301 | BF530112 | 40 | 83.0189 | 0.02438 | 72.9023 | 0.13130 | 18.010201 |
| BF53 | BF5301 | BF530113 |  |  |  | 43.3752 | 0.23491 | 54.157589 |
| BF53 | BF5302 | BF530201 | 57 | 25.0000 | 0.03862 | 31.9593 | 0.15251 | 47.719891 |
| BF52 | BF5205 | BF530203 | 86 | 38.5965 | 0.05389 | 40.2052 | 0.16709 | 41.558098 |
| BF53 | BF5302 | BF530204 | 52 | 85.5136 | 0.01878 | 75.5243 | 0.11849 | 15.689145 |
| BF53 | BF5302 | BF530206 | 29 | 78.8462 | 0.02924 | 63.7546 | 0.13926 | 21.842520 |
| BF53 | BF5302 | BF530207 | 46 |  |  | 55.4167 | 0.23968 | 43.251343 |
| BF53 | BF5302 | BF530208 | 77 | 50.0000 | 0.05473 | 52.7117 | 0.16951 | 32.157623 |
| BF53 | BF5302 | BF530209 | 34 | 80.5195 | 0.02765 | 70.5034 | 0.13582 | 19.264414 |
| BF53 | BF5302 | BF530210 | 74 | 17.6471 | 0.03097 | 30.3524 | 0.14150 | 46.619640 |
| BF53 | BF5302 | BF530212 | 134 | 37.6052 | 0.02801 | 41.4572 | 0.13781 | 33.242378 |
| BF53 | BF5303 | BF530301 | 53 | 55.4682 | 0.03440 | 54.3220 | 0.14585 | 26.849728 |
| BF53 | BF5303 | BF530302 | 39 | 83.0189 | 0.01867 | 77.1244 | 0.11897 | 15.425368 |
| BF53 | BF5303 | BF530303 | 34 | 74.3590 | 0.03770 | 65.8073 | 0.15024 | 22.830326 |
| BF53 | BF5303 | BF530304 | 36 | 82.3529 | 0.03187 | 71.4355 | 0.14264 | 19.967096 |
| BF53 | BF5303 | BF530305 | 170 |  |  | 52.0082 | 0.23105 | 44.425079 |
| BF53 | BF5303 | BF530306 | 31 | 56.4431 | 0.02632 | 55.2220 | 0.13361 | 24.195383 |
| BF53 | BF5303 | BF530307 | 85 | 90.3226 | 0.01132 | 83.4826 | 0.09710 | 11.631376 |
| BF54 | BF5401 | BF540102 | 51 | 91.8905 | 0.00672 | 87.6218 | 0.07762 | 8.858850 |
| BF54 | BF5401 | BF540104 |  |  |  | 43.4820 | 0.23394 | 53.801220 |
| BF54 | BF5402 | BF540201 | 44 | 58.8235 | 0.05752 | 52.5353 | 0.17172 | 32.686611 |
| BF54 | BF5402 | BF540204 | 29 | 56.8182 | 0.05939 | 54.4283 | 0.17103 | 31.423700 |
| BF54 | BF5402 | BF540206 | 46 | 37.9310 | 0.06242 | 44.6165 | 0.17112 | 38.354267 |
| BF54 | BF5402 | BF540208 | 45 | 23.9130 | 0.03515 | 36.8141 | 0.15108 | 41.038471 |
| BF54 | BF5402 | BF540210 |  |  |  | 55.1657 | 0.23234 | 42.116772 |
| BF54 | BF5403 | BF540302 | 103 |  |  | 45.4904 | 0.23423 | 51.490074 |
| BF57 | BF5704 | BF540303 | 56 | 26.4136 | 0.01964 | 31.7256 | 0.12118 | 38.195385 |
| BF54 | BF5403 | BF540304 | 45 | 45.1244 | 0.03761 | 46.3813 | 0.15086 | 32.526478 |
| BF54 | BF5403 | BF540305 | 39 | 71.1111 | 0.04242 | 62.7203 | 0.15596 | 24.865940 |
| BF54 | BF5403 | BF540307 | 478 | 38.4615 | 0.05150 | 41.7738 | 0.16347 | 39.131718 |
| BF54 | BF5403 | BF540308 | 34 | 18.8533 | 0.00604 | 22.1692 | 0.07393 | 33.346001 |
| BF54 | BF5403 | BF540309 | 45 | 73.5294 | 0.03458 | 63.9397 | 0.14746 | 23.062937 |
| BF54 | BF5403 | BF540310 | 25 | 44.4444 | 0.06328 | 48.0104 | 0.17448 | 36.342430 |
| BF54 | BF5404 | BF540402 | 78 | 68.0000 | 0.11649 | 53.0903 | 0.19771 | 37.240398 |
| BF54 | BF5404 | BF540403 | 116 | 93.5897 | 0.00523 | 89.4140 | 0.06923 | 7.743078 |
| BF55 | BF5501 | BF550101 | 141 | 85.6814 | 0.00553 | 81.9715 | 0.07095 | 8.655284 |
| BF55 | BF5501 | BF550103 | 71 | 49.5245 | 0.01885 | 50.6003 | 0.11875 | 23.467274 |
| BF55 | BF5501 | BF550105 | 60 | 59.7941 | 0.02485 | 54.9802 | 0.13109 | 23.842360 |
| BF55 | BF5501 | BF550106 |  |  |  | 54.4293 | 0.23431 | 43.048035 |
| BF55 | BF5501 | BF550107 |  |  |  | 53.1328 | 0.23366 | 43.976898 |
| BF55 | BF5501 | BF550108 |  |  |  | 40.4510 | 0.23130 | 57.180687 |
| BF55 | BF5502 | BF550201 | 200 |  |  | 55.1715 | 0.23189 | 42.030285 |
| BF55 | BF5502 | BF550203 | 70 | 74.2872 | 0.01182 | 69.6404 | 0.09884 | 14.192409 |
| BF55 | BF5502 | BF550204 | 42 | 62.8571 | 0.05565 | 59.2291 | 0.16680 | 28.161575 |
| BF55 | BF5502 | BF550205 |  |  |  | 29.5339 | 0.24594 | 83.275230 |
| BF55 | BF5503 | BF550302 | 93 |  |  | 43.6641 | 0.23226 | 53.192711 |
| BF55 | BF5503 | BF550304 | 45 | 66.2639 | 0.02052 | 60.9313 | 0.12253 | 20.108999 |
| BF55 | BF5503 | BF550305 | 41 | 62.2222 | 0.05161 | 59.2628 | 0.16388 | 27.652576 |
| BF55 | BF5503 | BF550306 |  |  |  | 43.7201 | 0.23109 | 52.857159 |
| BF55 | BF5503 | BF550307 |  |  |  | 47.9111 | 0.23158 | 48.335888 |
| BF56 | BF5601 | BF560102 | 159 | 48.7805 | 0.05887 | 42.2343 | 0.16978 | 40.200176 |
| BF13 | BF1300 | BF560104 | 97 | 0.8425 | 0.00008 | 0.8875 | 0.00907 | 102.161453 |
| BF54 | BF5401 | BF560201 | 39 | 41.1179 | 0.03643 | 42.0473 | 0.15177 | 36.094818 |
| BF56 | BF5602 | BF560202 | 229 | 74.3590 | 0.03597 | 61.8873 | 0.14838 | 23.975592 |
| BF56 | BF5602 | BF560203 | 37 | 25.5952 | 0.01517 | 31.0595 | 0.10957 | 35.277576 |
| BF56 | BF5604 | BF560205 | 29 | 97.2973 | 0.00108 | 96.0611 | 0.03267 | 3.401237 |
| BF56 | BF5602 | BF560206 | 28 | 55.1724 | 0.04999 | 50.7686 | 0.16384 | 32.272144 |
| BF56 | BF5603 | BF560301 | 59 |  |  | 42.1138 | 0.23436 | 55.650322 |
| BF56 | BF5603 | BF560304 | 266 | 55.9322 | 0.05149 | 50.2129 | 0.16413 | 32.687447 |
| BF56 | BF5603 | BF560308 | 35 | 59.0506 | 0.01603 | 53.9369 | 0.11270 | 20.894751 |
| BF56 | BF5604 | BF560403 | 26 | 68.5714 | 0.03974 | 59.2285 | 0.15271 | 25.783379 |
| BF56 | BF5604 | BF560406 |  |  |  | 50.9833 | 0.23269 | 45.641251 |
| BF57 | BF5701 | BF570102 | 248 | 23.0769 | 0.04651 | 33.7308 | 0.15957 | 47.307911 |
| BF57 | BF5701 | BF570103 | 51 | 52.6442 | 0.01557 | 51.9196 | 0.11060 | 21.302979 |
| BF57 | BF5701 | BF570104 | 48 | 49.0196 | 0.05821 | 50.2951 | 0.16981 | 33.763622 |
| BF57 | BF5702 | BF570201 | 283 | 72.9167 | 0.03603 | 65.2315 | 0.14783 | 22.662260 |
| BF57 | BF5702 | BF570202 | 40 | 18.3766 | 0.00842 | 22.6086 | 0.08563 | 37.874569 |
| BF57 | BF5702 | BF570203 | 89 | 15.0000 | 0.02379 | 26.9898 | 0.12934 | 47.920612 |
| BF57 | BF5702 | BF570204 | 55 | 45.2448 | 0.04161 | 48.8807 | 0.15365 | 31.433477 |
| BF57 | BF5702 | BF570205 | 56 | 43.6364 | 0.06397 | 39.0306 | 0.17500 | 44.837635 |
| BF57 | BF5702 | BF570207 | 35 | 58.9286 | 0.04966 | 50.7310 | 0.16147 | 31.829525 |
| BF57 | BF5702 | BF570208 |  |  |  | 48.2237 | 0.23508 | 48.747986 |
| BF57 | BF5703 | BF570301 | 150 |  |  | 48.4851 | 0.23512 | 48.492332 |
| BF57 | BF5703 | BF570304 | 42 | 18.5484 | 0.00529 | 19.1155 | 0.06999 | 36.616646 |
| BF55 | BF5501 | BF570305 | 31 |  |  | 43.8490 | 0.24100 | 54.961182 |
| BF57 | BF5704 | BF570401 | 34 |  |  | 60.5312 | 0.24201 | 39.980705 |
| BF57 | BF5704 | BF570402 | 32 | 64.7059 | 0.05222 | 56.4822 | 0.17198 | 30.447914 |
| BF57 | BF5704 | BF570404 | 314 | 31.2500 | 0.06935 | 40.2147 | 0.17678 | 43.959381 |
| BF57 | BF5703 | BF570405 | 37 | 46.5312 | 0.01340 | 46.5468 | 0.10453 | 22.456730 |
| BF48 | BF4803 | BF570406 | 49 | 78.3784 | 0.02842 | 67.7115 | 0.14066 | 20.773466 |
| BF57 | BF5704 | BF570407 | 47 | 42.8571 | 0.06110 | 46.0277 | 0.17293 | 37.570305 |
| BF57 | BF5704 | BF570409 | 46 | 25.5319 | 0.05517 | 41.9835 | 0.16843 | 40.116928 |
| BF57 | BF5704 | BF570410 | 36 | 95.6522 | 0.00266 | 93.5531 | 0.05040 | 5.387224 |
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