**March 15, 2022**

**SUMMARY ON OCE-specific SNP dataset. (the data are in Moscow BIO Linux workstation in /home/afedorov/NOV2021 )**

1. Start from Simons’ dataset. The program OceaniaSimonStep1.pl counts number of Alt-allele SNPs in OCE: /Aus|Bou|Pap/, which should be 7 or more alleles (among 19 people) The program also counts this allele in OCE-flanking populations: /Dus|Mao|Igo|Hav/. In the rest of Simons’ populations this allele must be absent. It creates the phase-1 OCE-specific SNPs (OCE\_SNPs\_*$chr*), where *$chr* means the number of chromosome (from 1 to 22)
2. Comparison with 1000G dataset. The second program Oceania1000gStep2.pl compares phase-1 OCE-specific SNPs with all 2504 individuals from 1000G. The number of “OCE-specific phase-1” alleles in all 1000G should be less or equal to the number of these alleles among 19 OCE people. Thus, the frequency of OCE-specific SNPs at this second step must be >100 times frequent than in the rest of the world. This computation creates phase-2 OCE-specific SNPs, which are stored in the OceaniaSpecificSNPs\_*$chr* files. After application of V3 (OCE freq in 1000G unknown!!, yet total freq is <150x than in Oceania) in OceaniaSpecificV3\_*$chr* files I got **71,848** SNPs.
3. Final comparison with Estonian dataset using OceanEstoniaStep3.pl program. The number of OCE-specific alleles among all Estonian DB people must be 4 or less. This is the final phase-3 purification (very weak with main purpose to print populations that have Region-specific alleles in the final table). The main results are in the files specific for each chromosome: OceaniaSpecificSNPsEstonia2\_$*chr* and also the combined file for all chromosomes: OceaniaSpecificSNPsEstonia2\_ALL*.* This file contains the number of OCE-specific alleles in all datasets (Simons, 1000G, and Estonian) and also the name of populations, where they present. See this table below,

Col-1 Col-2. Col-3. Col-4 Col-5. Col-6 Col-7 Col-8 Col9. Col10. Col11. Col12. Col13 Col14 Col15 Col16 Col-17+

rs373000721 9 0 0 0 CHR1 833529 rs373000721 G A 0 0 0 0 0 NOT Koi\_OCE Kos\_OCE Koi\_OCE

rs367861531 10 0 0 0 CHR1 835831 rs367861531 G A 0 0 0 1 0 YRI Koi\_OCE Kos\_OCE Koi\_OCE

rs369581566 10 0 0 0 CHR1 837238 rs369581566 G A 0 0 0 0 0 NOT Koi\_OCE Kos\_OCE Koi\_OCE

rs377052638 8 0 0 0 CHR1 837992 rs377052638 C G 0 0 0 0 0 NOT Koi\_OCE Kos\_OCE Koi\_OCE

rs373451994 10 0 0 0 CHR1 839636 rs373451994 G A 0 0 0 0 0 NOT Koi\_OCE Kos\_OCE Koi\_OCE

rs146441147 9 0 0 0 CHR1 979559 rs146441147 C T 0 0 0 0 0 NOT Kos\_OCE Koi\_OCE

rs372205897 12 0 0 0 CHR1 1029701 rs372205897 C T 0 0 0 0 0 NOT Kos\_OCE Koi\_OCE

rs373322116 12 0 0 0 CHR1 1047802 rs373322116 G A 0 0 0 0 0 NOT Kos\_OCE Koi\_OCE

rs375647989 8 0 0 0 CHR1 1107859 rs375647989 A G 0 0 0 0 0 NOT Kos\_OCE Kos\_OCE

rs371814109 8 0 0 0 CHR1 1109872 rs371814109 A G 0 0 0 0 0 NOT Kos\_OCE Kos\_OCE

rs373310048 8 0 0 0 CHR1 1110271 rs373310048 G A 0 0 0 0 0 NOT Kos\_OCE Kos\_OCE

rs11811026 8 0 0 0 CHR1 1112124 rs11811026 C A 0 0 0 0 0 ASW Kos\_OCE Kos\_OCE

rs11811377 8 0 0 0 CHR1 1112318 rs11811377 C A 1 0 0 1 0 CLM YRI ASW Kos\_OCE Kos\_OCE

rs377508467 8 0 0 0 CHR1 1112457 rs377508467 T G 0 0 0 0 0 NOT Kos\_OCE Kos\_OCE

rs375453018 8 0 0 0 CHR1 1114523 rs375453018 C T 0 0 0 1 0 GWD ASW Kos\_OCE Kos\_OCE

rs374835744 8 0 0 0 CHR1 1114552 rs374835744 C T 0 0 0 1 0 GWD ASW Kos\_OCE Kos\_OCE

rs368714026 7 0 0 0 CHR1 1116266 rs368714026 C T 0 0 0 0 0 NOT Kos\_OCE Kos\_OCE

s1x1118971 7 0 0 0 CHR1 1118971 s1x1118971 C G 0 0 0 0 0 NOT Baj\_OCE Koi\_OCE Kos\_OCE Koi\_OCE

rs551036611 12 0 0 0 CHR1 1302130 s1x1302130 G A 0 0 2 0 0 KHV Baj\_OCE Agt\_OCE

s1x1344958 7 0 0 0 CHR1 1344958 s1x1344958 A G 0 0 0 0 0 NOT Baj\_OCE Agt\_OCE

rs369955862 7 0 0 0 CHR1 1381934 rs369955862 A G 0 0 0 0 0 NOT Leb\_OCE Baj\_OCE Agt\_OCE

s1x1385293 7 0 0 0 CHR1 1385293 s1x1385293 G A 0 0 0 0 0 NOT Baj\_OCE Agt\_OCE

rs367639744 10 0 0 0 CHR1 1471892 rs367639744 C T 0 0 0 0 0 NOT Koi\_OCE Koi\_OCE

s1x1503254 7 0 0 0 CHR1 1503254 s1x1503254 T C 0 0 0 0 0 NOT Agt\_OCE

Col-1 (rs-ID if existed in 1000G, if not then our ID: s1x1503254, where first “s” means Simons project, following the chr number, then ‘x’ separator and position on chr)

Col-2 Number of OCE-specific alleles counts in phase-1 in 19 OCE people from /Aus|Bou|Pap/

Col-3 Number of OCE-specific alleles counts in phase-1 in 19 neighboring OCE people from /Dus|Mao|Igo|Hav/

Col-4 Always 0, because this item was skipped from AMR-specific SNPs

Col-5 Always 0, because this item was skipped from AMR-specific SNPs

Col-6 Chromosome number

Col-7 Position on chr

Col-8 repetition of column-1

Col-9 Reference allele

Col-10 Alternative allele

Col-11 Number of OCE-specific alleles in all AMR from 1000G

Col-12 Number of OCE-specific alleles in all EUR from 1000G

Col-13 Number of OCE-specific alleles in all EAS from 1000G

Col-14 Number of OCE-specific alleles in all AFR from 1000G

Col-15 Number of OCE-specific alleles in all SAS from 1000G

Col-16 All populations from 1000G were the OCE-specific allele was observed. If not observed the NOT will appeared

Col-17+ All populations from ESTONIAN DB were the OCE-specific allele was observed. For example, Kos\_OCE

**SUMMARY ON AMR-specific SNP dataset. (the data are in Moscow BIO Linux workstation in /home/afedorov/NOV2021 )**

1. Start from Simons’ dataset. The program AmericanSNPs2020.pl counts number of Alt-allele SNPs in AMR pure tribes: /Cha|Kar|Sur|Pia/, which should be 3 or more alleles (among 8 people) [COLUMN-2]. The program also counts this allele in AMR more diverse populations, that have admixture: /May|Mix|Pim|Que|Zap/ 14 people (admixed with 30% Europeans and Africans genes) [COLUMN-3]. In order to qualify as AMR-specific SNP I created an additional requirement for the counts: Col2 + Col3 >= 7 (program purgeNativeAmericanSNPs.pl). Finally, I also counted the number of alleles in the AMR-flanking populations from Arctic (ARC), that little intersect with AMR: /Ale|Chu|Esk|Ite|Tli|Ulc/ [COLUMN-4] and also Siberia (SIB): /Eve|Man|Yak|Tub/ [COLUMN-5]. In the rest of Simons’ populations this allele must be absent. It creates the phase-1 AMR-specific SNPs (AMR\_SNPs\_*$chr*), where *$chr* means the number of chromosome (from 1 to 22)
2. Comparison with 1000G dataset. The second program America1000gStep2\_v2.pl compares phase-1 AMR-specific SNPs with all 2504 individuals from 1000G. The number of “AMR-specific phase-1” alleles in all 1000G dataset is divided by 5 regions (EAS, SAS, EUR, AFR, AMR). The number of AMR-specific alleles in AMR populations should be more than the number of these alleles in the rest four regions multiplied by 10 [e.g. (AFR+EAS+SAS+EUR)\*10] . Thus, the frequency of AMR-specific SNPs at this second step in AMR must be >40 times frequent than in the rest of the world. Since AMR populations from 1000G are very admixed with European and African genomes, this requirement equivalents that in pure AMR-populations the frequency of these alleles should be >100x than their frequency in the rest of the World. This computation creates phase-2 AMR-specific SNPs, which are stored in the AmericaSpecificSNPs\_*$chr* files. After application of V3 (AMR freq in 1000G >=9% and >18% which is taking into account admixture AMR with other continents) in AmericaSpecificV3\_*$chr* files I got **4,133** SNPs.
3. Final comparison with Estonian dataset using AmericanSNPsESTONIA.pl program. The number of AMR-specific alleles among all Estonian DB people must be 4 or less. [A vast majority of Estonian DB are not American populations. They will be listed in the final table]. This is the final phase-3 purification (very weak with main purpose to print populations that have Region-specific alleles in the final table). The main results are in the files specific for each chromosome: AmericaSpecificSNPsEstonia2\_$*chr* and also the combined file for all chromosomes: AmericaSpecificSNPsEstonia2\_ALL*.* This file contains the number of AMR-specific alleles in all datasets (Simons, 1000G, and Estonian) and also the name of populations, where they present. See example of this table for OCE-specific alleles above.

**SUMMARY ON EAS-specific (China-Specific) SNP dataset. (the data are in Moscow BIO Linux workstation in /home/afedorov/NOV2021 )**

1. Start from Simons’ dataset. The program ChinaSimonStep1.pl counts number of Alt-allele SNPs in EAS pure populations: /Dai|Han|Jap|Kor|Mia|Nax|She|Tuj|YiX/, which should be 8 or more alleles (among 22 people) [COLUMN-2]. The program also counts this allele in EAS more diverse populations, that have admixture: /Cam|TuX|Lah|Xib|Hez|Oro|Mon|Dau|Bur|Ami|Ata|Kin/ [COLUMN-3]. Finally, I also counted the number of alleles in the EAS-flanking populations from the south, that little intersect with EAS: /Kus|BUm|Tam|Leb|Luz|Ulc|Mur|Igo|Haw|Dus/ [COLUMN-4] and also Central Asia: /Eve|EVk|Yak|Tub|Sho|Sak|Alt|Kal|Kaz|Kyr|Uyg/ [COLUMN-5]. In the rest of Simons’ populations this allele must have 4 or less counts. It creates the phase-1 China-specific SNPs (CHI\_SNPs\_*$chr*), where *$chr* means the number of chromosome (from 1 to 22)
2. Comparison with 1000G dataset. The second program China1000gStep2\_v2.pl compares phase-1 EAS-specific SNPs with all 2504 individuals from 1000G. The number of “EAS-specific phase-1” alleles in all 1000G dataset is divided by 5 regions (EAS, SAS, EUR, AFR, AMR). The number of EAS-specific alleles in EAS populations should be more than the number of these alleles in the rest four regions multiplied by 10 [e.g. (AFR+AMR+SAS+EUR)\*10] . Thus, the frequency of AMR-specific SNPs at this second step in AMR must be >40 times frequent than in the rest of the world. This restriction is the lower than for AMR and OCE, because we have 10 times less EAS-specific SNPs. This computation creates phase-2 EAS-specific SNPs, which are stored in the ChinaSpecificSNPs\_*$chr* files. After application of V3 (EAS freq in 1000G >=18%) in ChinaSpecificV3\_*$chr* files I got **441** SNPs.
3. Final comparison with Estonian dataset using ChinaEstoniaStep3.pl program. The number of EAS-specific alleles among all Estonian DB people must be 4 or less. [A vast majority of Estonian DB are not EAS populations. They will be listed in the final table]. This is the final phase-3 purification (very weak with main purpose to print populations that have Region-specific alleles in the final table). The main results are in the files specific for each chromosome: ChinaSpecificSNPsEstonia2\_$*chr* and also the combined file for all chromosomes: ChinaSpecificSNPsEstonia2\_ALL*.* This file contains the number of EAS-specific alleles in all datasets (Simons, 1000G, and Estonian) and also the name of populations, where they present. See example of this table for OCE-specific alleles above.

**SUMMARY ON AFR-specific SNP dataset. (the data are in Moscow BIO Linux workstation in /home/afedorov/NOV2021 )**

1. Start from Simons’ dataset. The program AfricaSimonStep1.pl counts number of Alt-allele SNPs in AFR pure populations: /Moz|Ban|Bia|Mbu|Gam|Luo|Mas|Luh|Som|JuX|Yor|Esa|Man|Men|Kho|Din|Sah/, which should be 17 or more alleles (among 47 people) [COLUMN-2]. The program DOES NOT count this allele in AFR diverse populations, thus, [COLUMN-3, 4, and 5] are empty (0). In the rest of Simons’ populations this allele must have 2 or less counts. It creates the phase-1 AFR-specific SNPs (CHI\_SNPs\_*$chr*), where *$chr* means the number of chromosome (from 1 to 22)
2. Comparison with 1000G dataset. The second program Africa1000gStep2\_v2.pl compares phase-1 AFR-specific SNPs with all 2504 individuals from 1000G. The number of “AFR-specific phase-1” alleles in all 1000G dataset is divided by 5 regions (EAS, SAS, EUR, AFR, AMR). The number of AFR-specific alleles in AFR populations should be more than the number of these alleles in the rest four regions multiplied by 10 [e.g. (EAS+AMR+SAS+EUR)\*10] . Thus, the frequency of AFR-specific SNPs at this second step in AFR must be >40 times frequent than in the rest of the world. This restriction is the lower than for AMR and OCE, because we have strong African admixture in AMR and Southern Europe. This computation creates phase-2 AFR-specific SNPs, which are stored in the AfricanSpecificSNPs\_*$chr* files. After application of V3 (AFR freq in 1000G >=18%) in AfricaSpecificV3\_*$chr* files I got **112,658** SNPs.
3. Final comparison with Estonian dataset using AfricanSNPsESTONIA.pl program. The number of AFR-specific alleles among all Estonian DB people must be 4 or less. [A vast majority of Estonian DB are not AFR populations. They will be listed in the final table]. This is the final phase-3 purification (very weak with main purpose to print populations that have Region-specific alleles in the final table). The main results are in the files specific for each chromosome: AfricaSpecificSNPsEstonia2\_$*chr* and also the combined file for all chromosomes: AfricaSpecificSNPsEstonia2\_ALL*.* This file contains the number of AFR-specific alleles in all datasets (Simons, 1000G, and Estonian) and also the name of populations, where they present. See example of this table for OCE-specific alleles above.

**SUMMARY ON EUR-specific SNP dataset. (the data are in Moscow BIO Linux workstation in /home/afedorov/NOV2021 )**

1. Start from Simons’ dataset. The program EuropeSimonStep1.pl counts number of Alt-allele SNPs in EUR pure populations: /Alb|Bas|Ber|Bul|Cre|Eng|Est|Fin|Fre|Gre|Hun|Ice|Nor|Orc|Pol|Rus|Saa|Sar|Spa|Tus/, which should be 15 or more alleles (among 41 people) [COLUMN-2]. The program counts these alleles in NON-EUR diverse populations, which should be less than two counts in total. These NON-EUR include the following: /Dai|Han|Jap|Kor|Mia|Nax|She|Tuj|YiX|Moz|Ban|Bia|Mbu|Gam|Luo|Mas|Luh|Som|JuX|Yor|Esa|Man|Men|Kho|Din|Sah/, which are EAS and AFR-populations[COLUMN- 5]. And also /Cam|TuX|Lah|Xib|Hez|Oro|Mon|Dau|Bur|Ami|Ata|Kin/and /Kus|BUm|Tam|Leb|Luz|Ulc|Mur|Igo|Haw|Dus/ which are neighboring to EAS populations. In the rest of Simons’ populations this allele must have only one or zero counts. It creates the phase-1 EUR-specific SNPs (EUR\_SNPs\_*$chr*), where *$chr* means the number of chromosome (from 1 to 22). ALTOGETHER I GOT **6585** SNPs.
2. Comparison with 1000G dataset. The second program Europe1000gStep2\_v2.pl compares phase-1 EUR-specific SNPs with all 2504 individuals from 1000G. The number of “EUR-specific phase-1” alleles in all 1000G dataset is divided by 5 regions (EAS, SAS, EUR, AFR, AMR). The number of EUR-specific alleles in EUR populations should be more than the number of these alleles in AFR plus EAS multiplied by 20 plus number of this allele in SAS population ($afr+$asia)\*20 + $ind\*1 . In other words, this EUR-specifi allele must be 40x less frequent in AFR and EAS and also less frequent than in SAS. Thus, the frequency of AFR-specific SNPs at this second step in AFR must be >40 times frequent than in the rest of the world. This restriction is chosen because we have strong European admixture in AMR and India (SAS). This computation creates phase-2 EUR-specific SNPs, which are stored in the EuropeSpecificSNPs\_*$chr* files. ALTOGETHER I GOT **3925** SNPs.

After application of V3 (EUR freq in 1000G >=18%) in EuroSpecificV3\_*$chr* files I got **1539** SNPs.

After application of V3 (EUR freq in 1000G >=15%) in EuroSpecificV3\_*$chr* files I got **2484** SNPs.

**March 25, 2022**

New thresholds for Region-Specific SNPs.

**Table 1. Distribution the numbers of common region-specific SNPs, which MAF > 18%.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Region | Step-1. Number of region-specific SNPs  in Simons’ Database | Step-2. Number of  region-specific SNPs  purged on 1000 Genomes | Step-3. Number of  region-specific SNPs  purged on EGDP DB | Step-4. Number of  clusters of  Region-specific SNPs |
| Africa | 204,983 | 112,658 | 77,820 | 28,774 |
| Americas | 46,994 | 4,133 | 3,348 | 3,222 |
| East Asia | 7,789 | 441 | 362 | 272 |
| Europe | 6,585 | 2,484 | 1,911 | 1,394 |
| Oceania | 77,437 | *71,848 \** | 1,358 | 453 |

Step-1: Processing SNPs from Simons’ Project. Characterization and counting the number of common region-specific SNPs   
(MAF >18%), which frequency in other regions (those without noticeable admixture).

Step-2. Characterization the number of common region-specific SNPs from Step-1, which MAF in the same region is also >18%   
in the 1000 Genomes DB. Verification that the frequencies of these region-specific SNP alleles in 1000 Genomes are also reduced   
at least 40 times in other regions.

\*Note that Oceania populations are absent in 1000 Genomes, thus, the requirement for MAF >= 18% is omitted for OCE at Step-2.   
However, this requirement (MAF>18%) is enforced in the next Step-3 for the EGDP Database, which has 51 individuals from OCE populations.

Step-3. Characterization the number of common region-specific SNPs from Step-2, which MAF is also significant (>16%) in EGPD Database   
in the same region. Confirmation that frequencies of these region-specific SNP alleles in EGPD are drastically reduced in other regions.

Step-4. Grouping of neighboring region-specific SNPs from Step-3 into clusters when the distance between neighboring SNPs is less than 5 Kb.

Final results are in the files for each autosome (1..22): **FinalRegion\_chr**

**afedorov@bio**:**~/NOV2021**$ ls -l Final\*

-rw-rw-r-- 1 afedorov afedorov 618734 мар 28 04:59 FinalAfrica\_1

-rw-rw-r-- 1 afedorov afedorov 280705 мар 28 04:59 FinalAfrica\_10

-rw-rw-r-- 1 afedorov afedorov 305577 мар 28 04:59 FinalAfrica\_11

-rw-rw-r-- 1 afedorov afedorov 314769 мар 28 04:59 FinalAfrica\_12

-rw-rw-r-- 1 afedorov afedorov 175959 мар 28 04:59 FinalAfrica\_13

-rw-rw-r-- 1 afedorov afedorov 194772 мар 28 04:59 FinalAfrica\_14

-rw-rw-r-- 1 afedorov afedorov 210933 мар 28 04:59 FinalAfrica\_15

-rw-rw-r-- 1 afedorov afedorov 281346 мар 28 04:59 FinalAfrica\_16

-rw-rw-r-- 1 afedorov afedorov 254607 мар 28 04:59 FinalAfrica\_17

-rw-rw-r-- 1 afedorov afedorov 168675 мар 28 04:59 FinalAfrica\_18

-rw-rw-r-- 1 afedorov afedorov 162444 мар 28 04:59 FinalAfrica\_19

-rw-rw-r-- 1 afedorov afedorov 537349 мар 28 04:59 FinalAfrica\_2

-rw-rw-r-- 1 afedorov afedorov 172259 мар 28 04:59 FinalAfrica\_20

-rw-rw-r-- 1 afedorov afedorov 120987 мар 28 04:59 FinalAfrica\_21

-rw-rw-r-- 1 afedorov afedorov 120806 мар 28 04:59 FinalAfrica\_22

-rw-rw-r-- 1 afedorov afedorov 486291 мар 28 04:59 FinalAfrica\_3

-rw-rw-r-- 1 afedorov afedorov 444500 мар 28 04:59 FinalAfrica\_4

-rw-rw-r-- 1 afedorov afedorov 465854 мар 28 04:59 FinalAfrica\_5

-rw-rw-r-- 1 afedorov afedorov 331425 мар 28 04:59 FinalAfrica\_6

-rw-rw-r-- 1 afedorov afedorov 356565 мар 28 04:59 FinalAfrica\_7

-rw-rw-r-- 1 afedorov afedorov 383661 мар 28 04:59 FinalAfrica\_8

-rw-rw-r-- 1 afedorov afedorov 295573 мар 28 04:59 FinalAfrica\_9

-rw-rw-r-- 1 afedorov afedorov 36855 мар 28 04:57 FinalAmerica\_1

-rw-rw-r-- 1 afedorov afedorov 25332 мар 28 04:57 FinalAmerica\_10

-rw-rw-r-- 1 afedorov afedorov 27948 мар 28 04:57 FinalAmerica\_11

-rw-rw-r-- 1 afedorov afedorov 33204 мар 28 04:57 FinalAmerica\_12

-rw-rw-r-- 1 afedorov afedorov 8401 мар 28 04:57 FinalAmerica\_13

-rw-rw-r-- 1 afedorov afedorov 22686 мар 28 04:57 FinalAmerica\_14

-rw-rw-r-- 1 afedorov afedorov 16685 мар 28 04:57 FinalAmerica\_15

-rw-rw-r-- 1 afedorov afedorov 17109 мар 28 04:57 FinalAmerica\_16

-rw-rw-r-- 1 afedorov afedorov 10189 мар 28 04:57 FinalAmerica\_17

-rw-rw-r-- 1 afedorov afedorov 10505 мар 28 04:57 FinalAmerica\_18

-rw-rw-r-- 1 afedorov afedorov 7742 мар 28 04:57 FinalAmerica\_19

-rw-rw-r-- 1 afedorov afedorov 40863 мар 28 04:57 FinalAmerica\_2

-rw-rw-r-- 1 afedorov afedorov 9631 мар 28 04:57 FinalAmerica\_20

-rw-rw-r-- 1 afedorov afedorov 7370 мар 28 04:57 FinalAmerica\_21

-rw-rw-r-- 1 afedorov afedorov 9881 мар 28 04:57 FinalAmerica\_22

-rw-rw-r-- 1 afedorov afedorov 29183 мар 28 04:57 FinalAmerica\_3

-rw-rw-r-- 1 afedorov afedorov 31140 мар 28 04:57 FinalAmerica\_4

-rw-rw-r-- 1 afedorov afedorov 33882 мар 28 04:57 FinalAmerica\_5

-rw-rw-r-- 1 afedorov afedorov 25600 мар 28 04:57 FinalAmerica\_6

-rw-rw-r-- 1 afedorov afedorov 29343 мар 28 04:57 FinalAmerica\_7

-rw-rw-r-- 1 afedorov afedorov 22123 мар 28 04:57 FinalAmerica\_8

-rw-rw-r-- 1 afedorov afedorov 15800 мар 28 04:57 FinalAmerica\_9

-rw-rw-r-- 1 afedorov afedorov 6425 мар 28 04:58 FinalEastAsia\_1

-rw-rw-r-- 1 afedorov afedorov 6466 мар 28 04:58 FinalEastAsia\_10

-rw-rw-r-- 1 afedorov afedorov 13188 мар 28 04:58 FinalEastAsia\_11

-rw-rw-r-- 1 afedorov afedorov 6214 мар 28 04:58 FinalEastAsia\_12

-rw-rw-r-- 1 afedorov afedorov 2395 мар 28 04:58 FinalEastAsia\_13

-rw-rw-r-- 1 afedorov afedorov 5673 мар 28 04:58 FinalEastAsia\_14

-rw-rw-r-- 1 afedorov afedorov 25633 мар 28 04:58 FinalEastAsia\_15

-rw-rw-r-- 1 afedorov afedorov 15854 мар 28 04:58 FinalEastAsia\_16

-rw-rw-r-- 1 afedorov afedorov 1960 мар 28 04:58 FinalEastAsia\_17

-rw-rw-r-- 1 afedorov afedorov 2094 мар 28 04:58 FinalEastAsia\_18

-rw-rw-r-- 1 afedorov afedorov 1286 мар 28 04:58 FinalEastAsia\_19

-rw-rw-r-- 1 afedorov afedorov 8058 мар 28 04:58 FinalEastAsia\_2

-rw-rw-r-- 1 afedorov afedorov 432 мар 28 04:58 FinalEastAsia\_20

-rw-rw-r-- 1 afedorov afedorov 377 мар 28 04:58 FinalEastAsia\_21

-rw-rw-r-- 1 afedorov afedorov 848 мар 28 04:58 FinalEastAsia\_22

-rw-rw-r-- 1 afedorov afedorov 20405 мар 28 04:58 FinalEastAsia\_3

-rw-rw-r-- 1 afedorov afedorov 11617 мар 28 04:58 FinalEastAsia\_4

-rw-rw-r-- 1 afedorov afedorov 4678 мар 28 04:58 FinalEastAsia\_5

-rw-rw-r-- 1 afedorov afedorov 3745 мар 28 04:58 FinalEastAsia\_6

-rw-rw-r-- 1 afedorov afedorov 2299 мар 28 04:58 FinalEastAsia\_7

-rw-rw-r-- 1 afedorov afedorov 4046 мар 28 04:58 FinalEastAsia\_8

-rw-rw-r-- 1 afedorov afedorov 2029 мар 28 04:58 FinalEastAsia\_9

-rw-rw-r-- 1 afedorov afedorov 60356 мар 28 04:58 FinalEurope\_1

-rw-rw-r-- 1 afedorov afedorov 109950 мар 28 04:58 FinalEurope\_10

-rw-rw-r-- 1 afedorov afedorov 68216 мар 28 04:58 FinalEurope\_11

-rw-rw-r-- 1 afedorov afedorov 44735 мар 28 04:58 FinalEurope\_12

-rw-rw-r-- 1 afedorov afedorov 58988 мар 28 04:58 FinalEurope\_13

-rw-rw-r-- 1 afedorov afedorov 43285 мар 28 04:58 FinalEurope\_14

-rw-rw-r-- 1 afedorov afedorov 47169 мар 28 04:58 FinalEurope\_15

-rw-rw-r-- 1 afedorov afedorov 22366 мар 28 04:58 FinalEurope\_16

-rw-rw-r-- 1 afedorov afedorov 46130 мар 28 04:58 FinalEurope\_17

-rw-rw-r-- 1 afedorov afedorov 54384 мар 28 04:58 FinalEurope\_18

-rw-rw-r-- 1 afedorov afedorov 9280 мар 28 04:58 FinalEurope\_19

-rw-rw-r-- 1 afedorov afedorov 68573 мар 28 04:58 FinalEurope\_2

-rw-rw-r-- 1 afedorov afedorov 32177 мар 28 04:58 FinalEurope\_20

-rw-rw-r-- 1 afedorov afedorov 9570 мар 28 04:58 FinalEurope\_21

-rw-rw-r-- 1 afedorov afedorov 16612 мар 28 04:58 FinalEurope\_22

-rw-rw-r-- 1 afedorov afedorov 76950 мар 28 04:58 FinalEurope\_3

-rw-rw-r-- 1 afedorov afedorov 58887 мар 28 04:58 FinalEurope\_4

-rw-rw-r-- 1 afedorov afedorov 51787 мар 28 04:58 FinalEurope\_5

-rw-rw-r-- 1 afedorov afedorov 64694 мар 28 04:58 FinalEurope\_6

-rw-rw-r-- 1 afedorov afedorov 37134 мар 28 04:58 FinalEurope\_7

-rw-rw-r-- 1 afedorov afedorov 56939 мар 28 04:58 FinalEurope\_8

-rw-rw-r-- 1 afedorov afedorov 48349 мар 28 04:58 FinalEurope\_9

-rw-rw-r-- 1 afedorov afedorov 35976 мар 28 04:57 FinalOceania\_1

-rw-rw-r-- 1 afedorov afedorov 552 мар 28 04:57 FinalOceania\_10

-rw-rw-r-- 1 afedorov afedorov 262 мар 28 04:57 FinalOceania\_11

-rw-rw-r-- 1 afedorov afedorov 15325 мар 28 04:57 FinalOceania\_12

-rw-rw-r-- 1 afedorov afedorov 890 мар 28 04:57 FinalOceania\_13

-rw-rw-r-- 1 afedorov afedorov 2977 мар 28 04:57 FinalOceania\_14

-rw-rw-r-- 1 afedorov afedorov 7703 мар 28 04:57 FinalOceania\_15

-rw-rw-r-- 1 afedorov afedorov 16842 мар 28 04:57 FinalOceania\_16

-rw-rw-r-- 1 afedorov afedorov 6375 мар 28 04:57 FinalOceania\_17

-rw-rw-r-- 1 afedorov afedorov 7439 мар 28 04:57 FinalOceania\_18

-rw-rw-r-- 1 afedorov afedorov 13609 мар 28 04:57 FinalOceania\_19

-rw-rw-r-- 1 afedorov afedorov 1726 мар 28 04:57 FinalOceania\_2

-rw-rw-r-- 1 afedorov afedorov 1782 мар 28 04:57 FinalOceania\_20

-rw-rw-r-- 1 afedorov afedorov 1391 мар 28 04:57 FinalOceania\_21

-rw-rw-r-- 1 afedorov afedorov 384 мар 28 04:57 FinalOceania\_22

-rw-rw-r-- 1 afedorov afedorov 44722 мар 28 04:57 FinalOceania\_3

-rw-rw-r-- 1 afedorov afedorov 10243 мар 28 04:57 FinalOceania\_4

-rw-rw-r-- 1 afedorov afedorov 5241 мар 28 04:57 FinalOceania\_5

-rw-rw-r-- 1 afedorov afedorov 17898 мар 28 04:57 FinalOceania\_6

-rw-rw-r-- 1 afedorov afedorov 426 мар 28 04:57 FinalOceania\_7

-rw-rw-r-- 1 afedorov afedorov 4457 мар 28 04:57 FinalOceania\_8

-rw-rw-r-- 1 afedorov afedorov 522 мар 28 04:57 FinalOceania\_9