

Supplementary

Table 2. 149 SNPs were used to generate the PRS model

| chr | bp | SNP rs number | Reference allele | Odd ratios | P value |
|-----|-----------|---------------|---------------------|------------|----------|
| 1 | 11944305 | rs9730417 | A | 1.21686 | 7.54E-05 |
| 1 | 12639168 | rs3128461 | G | 1.14774 | 9.45E-05 |
| 1 | 58673489 | rs12042368 | A | 1.29692 | 4.79E-05 |
| 1 | 63645691 | rs57849430 | A | 0.80332 | 6.26E-05 |
| 1 | 69148593 | rs77091935 | C | 1.18204 | 1.25E-05 |
| 1 | 70138465 | rs12025135 | G | 0.84310 | 5.25E-05 |
| 1 | 80321346 | rs188186208 | C | 1.52742 | 7.64E-05 |
| 1 | 101910587 | rs61784369 | A | 1.14555 | 8.63E-05 |
| 1 | 107842216 | rs117354873 | A | 1.45404 | 4.82E-05 |
| 1 | 116372354 | rs36097042 | T | 0.77609 | 2.74E-05 |
| 1 | 168828841 | rs200575 | G | 0.81460 | 4.29E-05 |
| 1 | 169298423 | rs10919141 | C | 0.85543 | 9.75E-05 |
| 1 | 201642166 | rs576570362 | C | 0.47211 | 8.81E-05 |
| 1 | 208060807 | rs2745951 | G | 0.87428 | 7.49E-05 |
| 1 | 226830381 | rs1151803 | G | 0.84620 | 1.41E-05 |
| 1 | 227567143 | rs144930899 | T | 1.75478 | 3.66E-05 |
| 1 | 246838747 | rs9426261 | C | 0.87472 | 7.11E-05 |
| 2 | 7526194 | rs571887173 | C | 1.77147 | 6.83E-05 |
| 2 | 9876728 | rs4668641 | A | 1.14973 | 7.39E-05 |
| 2 | 16492636 | rs4832489 | C | 0.84259 | 8.01E-05 |
| 2 | 18351537 | rs2011027 | G | 1.14518 | 6.68E-05 |
| 2 | 34342896 | rs59495126 | T | 0.77181 | 5.92E-06 |
| 2 | 79637894 | rs13022854 | T | 0.85058 | 2.12E-05 |
| 2 | 129559762 | rs10185924 | G | 1.15428 | 1.13E-05 |
| 2 | 130323041 | rs58215584 | C | 1.15425 | 1.30E-05 |
| 2 | 139836023 | rs963629 | T | 1.15014 | 8.91E-05 |
| 2 | 143709091 | rs12997823 | G | 0.87535 | 5.83E-05 |
| 2 | 144677535 | rs56266000 | C | 1.13969 | 7.26E-05 |
| 2 | 149674070 | rs117312764 | A | 1.90454 | 6.44E-06 |
| 2 | 156813021 | rs117321465 | G | 1.59711 | 1.32E-05 |
| 2 | 156933377 | rs12471552 | A | 1.14160 | 4.96E-05 |
| 2 | 224110366 | rs1517653 | C | 0.84065 | 1.90E-05 |
| 2 | 233385396 | rs1550094 | A | 1.25112 | 4.93E-05 |
| 3 | 10020524 | rs55850027 | A | 1.25676 | 7.03E-05 |

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| 3 | 10308326 | rs1642974 | G | 0.84743 | 7.66E-06 |
| 3 | 38210029 | rs34498353 | G | 1.30651 | 5.13E-05 |
| 3 | 56826791 | rs17216768 | C | 0.87463 | 6.32E-05 |
| 3 | 61651299 | rs35289930 | A | 1.20627 | 4.29E-05 |
| 3 | 76418451 | rs7649237 | G | 0.86491 | 3.13E-05 |
| 3 | 111348019 | rs4682294 | G | 0.64827 | 5.82E-05 |
| 3 | 114713823 | rs4682167 | C | 0.85422 | 3.67E-05 |
| 3 | 124699509 | rs150554398 | T | 0.70294 | 7.16E-05 |
| 3 | 150636224 | rs936189 | T | 1.15036 | 4.45E-05 |
| 4 | 20625689 | rs1457916 | T | 1.32462 | 4.78E-05 |
| 4 | 38702973 | rs10026640 | C | 1.20309 | 8.68E-06 |
| 4 | 106610368 | rs116957480 | A | 0.72672 | 7.23E-05 |
| 4 | 129532623 | rs1216419 | A | 0.85592 | 5.82E-05 |
| 4 | 145363247 | rs1602238 | T | 1.19962 | 5.18E-05 |
| 4 | 170877171 | rs75042183 | C | 0.80552 | 6.86E-05 |
| 5 | 525945 | rs185641736 | A | 1.60235 | 5.55E-05 |
| 5 | 2131123 | rs12521827 | T | 1.20254 | 1.77E-05 |
| 5 | 3240272 | rs620704 | A | 0.86798 | 7.78E-05 |
| 5 | 9965794 | rs6867995 | C | 1.14923 | 1.93E-05 |
| 5 | 20358490 | rs59032817 | G | 0.82924 | 5.48E-05 |
| 5 | 29892677 | rs28418554 | C | 0.87194 | 6.20E-05 |
| 5 | 112206001 | rs149142888 | C | 0.57080 | 2.34E-05 |
| 5 | 119639313 | rs191358705 | C | 1.41132 | 8.98E-05 |
| 5 | 142507171 | rs3797074 | C | 1.18376 | 4.30E-05 |
| 5 | 169365383 | rs77585674 | G | 0.81682 | 7.64E-05 |
| 6 | 18030079 | rs9383343 | A | 1.21267 | 7.39E-05 |
| 6 | 109804311 | rs13437139 | A | 1.71041 | 9.60E-05 |
| 6 | 119640549 | rs2357376 | C | 1.16079 | 4.89E-05 |
| 6 | 119756216 | rs9374795 | A | 1.43300 | 8.05E-05 |
| 6 | 146808416 | rs76382764 | A | 1.37693 | 2.12E-05 |
| 6 | 170462892 | rs9460056 | T | 0.84486 | 8.08E-05 |
| 6 | 170696385 | rs6934743 | G | 1.21033 | 2.74E-05 |
| 7 | 20351465 | rs2286695 | A | 0.86399 | 7.63E-06 |
| 7 | 24178848 | rs198724 | G | 0.85472 | 5.00E-05 |
| 7 | 47859552 | rs80279956 | G | 1.32349 | 6.63E-05 |
| 7 | 77818659 | rs11771183 | C | 1.15110 | 5.71E-05 |
| 7 | 80779426 | rs327670 | G | 0.86559 | 3.27E-05 |
| 7 | 95072616 | rs10953147 | G | 0.85135 | 4.31E-05 |

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| 7 | 109811345 | rs2396210 | C | 1.16201 | 1.80E-05 |
| 7 | 112281687 | rs9690753 | G | 0.83749 | 8.32E-05 |
| 7 | 120484682 | rs147509162 | T | 1.36031 | 8.39E-05 |
| 7 | 130888388 | rs17165483 | G | 1.15511 | 1.35E-05 |
| 7 | 158523837 | rs17837836 | T | 0.64436 | 3.27E-05 |
| 7 | 158898659 | rs55950988 | T | 0.82726 | 4.98E-05 |
| 7 | 158994960 | rs144280192 | T | 1.23963 | 1.66E-05 |
| 8 | 23927602 | rs184363924 | C | 0.40173 | 2.57E-05 |
| 8 | 103844082 | rs117434728 | C | 1.29730 | 9.02E-05 |
| 8 | 121610438 | rs6469937 | A | 0.81692 | 8.63E-08 |
| 8 | 136859008 | rs10113544 | A | 1.16177 | 6.82E-05 |
| 9 | 7843394 | rs3847268 | A | 0.77436 | 3.04E-05 |
| 9 | 74338896 | rs79637440 | C | 0.76072 | 6.38E-05 |
| 9 | 78970189 | rs60612492 | C | 1.80007 | 3.55E-05 |
| 9 | 85763400 | rs4621894 | C | 0.78295 | 4.99E-05 |
| 9 | 90802614 | rs17080774 | T | 0.76439 | 8.69E-05 |
| 9 | 104461050 | rs77325969 | G | 1.83739 | 1.22E-05 |
| 9 | 127808611 | rs28481397 | T | 1.14871 | 3.07E-05 |
| 9 | 138447810 | rs7019967 | G | 1.26023 | 2.39E-05 |
| 10 | 7008503 | rs72638724 | G | 0.87397 | 5.46E-05 |
| 10 | 12013175 | rs76521633 | A | 1.47234 | 2.65E-05 |
| 10 | 12464305 | rs10795953 | C | 1.14240 | 6.34E-05 |
| 10 | 129747299 | rs143359234 | T | 1.66800 | 2.49E-05 |
| 10 | 135386067 | rs71484087 | A | 0.84766 | 9.33E-05 |
| 11 | 61643343 | rs188187545 | A | 0.47829 | 5.76E-05 |
| 11 | 84219732 | rs57098434 | T | 0.71556 | 6.58E-05 |
| 11 | 114070242 | rs3782005 | A | 1.15243 | 1.96E-05 |
| 12 | 12074809 | rs75253437 | G | 0.69980 | 6.12E-05 |
| 12 | 12566517 | rs531688710 | G | 1.69429 | 6.35E-05 |
| 12 | 20967682 | rs2417946 | A | 0.84131 | 9.26E-05 |
| 12 | 68555011 | rs2069705 | A | 0.84279 | 6.88E-06 |
| 12 | 116764284 | rs143783238 | T | 1.48385 | 2.30E-06 |
| 12 | 127271615 | rs9634139 | T | 1.36693 | 3.59E-05 |
| 12 | 130897844 | rs10848097 | C | 0.84669 | 7.07E-05 |
| 13 | 37493676 | rs478811 | A | 0.84753 | 3.38E-05 |
| 13 | 43418003 | rs9594821 | T | 0.87113 | 8.32E-05 |
| 13 | 51867290 | rs2153512 | T | 1.13806 | 8.85E-05 |
| 13 | 75825210 | rs1864726 | C | 1.31711 | 8.30E-05 |

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| 13 | 96897856 | rs9562057 | T | 1.16274 | 1.55E-05 |
| 13 | 101834378 | rs650159 | A | 1.14967 | 9.59E-05 |
| 13 | 102425912 | rs9518532 | G | 1.18956 | 6.18E-05 |
| 14 | 46363996 | rs17647857 | G | 1.15599 | 7.51E-05 |
| 14 | 65402508 | rs370120147 | G | 1.28931 | 4.07E-05 |
| 15 | 33011127 | rs7168877 | A | 1.16074 | 4.41E-05 |
| 15 | 33265838 | rs2930133 | C | 0.84665 | 9.09E-05 |
| 15 | 51634255 | rs2446421 | G | 0.87672 | 8.07E-05 |
| 15 | 78718899 | rs2869045 | C | 0.84730 | 1.50E-05 |
| 15 | 79378775 | rs13380109 | A | 1.14398 | 3.50E-05 |
| 15 | 79987715 | rs16971249 | C | 0.83735 | 1.90E-05 |
| 15 | 87129176 | rs8042696 | T | 1.17958 | 4.01E-06 |
| 16 | 13217126 | rs78628301 | T | 0.84865 | 4.21E-05 |
| 16 | 62533454 | rs149868768 | C | 1.40906 | 2.55E-05 |
| 16 | 79706540 | rs7202770 | G | 1.13928 | 6.20E-05 |
| 16 | 86846495 | rs11644263 | T | 0.87503 | 5.09E-05 |
| 16 | 89649675 | rs455868 | A | 0.86526 | 1.18E-05 |
| 17 | 85192 | rs577448043 | A | 0.60581 | 7.37E-05 |
| 17 | 707164 | rs882931 | T | 1.24277 | 9.30E-05 |
| 17 | 10796661 | rs202591 | T | 1.14110 | 5.34E-05 |
| 17 | 37432616 | rs75625292 | G | 0.73588 | 7.83E-05 |
| 17 | 64976121 | rs3785594 | T | 0.85919 | 6.68E-05 |
| 17 | 66483281 | rs7350964 | A | 0.83158 | 1.14E-05 |
| 18 | 38416382 | rs79032281 | T | 0.64369 | 3.84E-05 |
| 18 | 49902879 | rs34018179 | G | 0.80519 | 9.08E-05 |
| 18 | 52440040 | rs140403789 | C | 1.44519 | 5.85E-05 |
| 18 | 72073738 | rs73470570 | C | 0.82737 | 7.46E-05 |
| 18 | 72861714 | rs2439252 | A | 1.15393 | 5.41E-05 |
| 18 | 76337293 | rs117258879 | T | 1.36996 | 5.37E-06 |
| 19 | 1509035 | rs112207132 | A | 0.87261 | 4.52E-05 |
| 19 | 58386038 | rs145849148 | T | 1.37407 | 4.55E-05 |
| 20 | 605262 | rs73894811 | T | 1.57126 | 5.72E-05 |
| 20 | 25236377 | rs117974689 | C | 0.48077 | 6.21E-05 |
| 20 | 47098774 | rs79588463 | A | 0.67383 | 5.55E-05 |
| 20 | 59626495 | rs62199105 | G | 0.85689 | 2.29E-05 |
| 21 | 36026192 | rs117444979 | A | 0.75014 | 7.74E-05 |
| 21 | 41366520 | rs9977570 | A | 0.81853 | 9.40E-05 |
| 22 | 30371350 | rs9614123 | G | 1.17465 | 3.40E-05 |

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| 22 | 45793574 | rs117372954 | T | 1.53151 | 8.99E-06 |
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