**Table S4** Pairwise FST values among *Haemonchus contortus* *ITS2* haplotypes from different countries.

|  |  |  |
| --- | --- | --- |
| **Country 1** | **Country 2** | **FST** |
| Bangladesh | Italy | 0.39747 |
| Bangladesh | Nigeria | 0.15945 |
| Bangladesh | Laos | 0.10803 |
| Bangladesh | Mongolia | 0.01184 |
| Bangladesh | Iraq | 0.11626 |
| Bangladesh | Egypt | 0.10944 |
| Bangladesh | Pakistan | 0.20729 |
| Bangladesh | China | 0.07840 |
| Bangladesh | Poland | 0.46255 |
| Bangladesh | Turkey | 0.39747 |
| Bangladesh | Thailand | 0.05262 |
| Bangladesh | Uzbekistan | -0.11081 |
| Bangladesh | Malaysia | 0.04438 |
| Bangladesh | United States of America | 0.08165 |
| Bangladesh | Greeece | 0.32236 |
| Bangladesh | Cameroon | 0.04749 |
| Bangladesh | Ghana | 0.20723 |
| Bangladesh | Iran | -0.13968 |
| Bangladesh | Austria | 0.33913 |
| Bangladesh | Argentina | 0.35659 |
| Bangladesh | India | 0.15165 |
| Bangladesh | Australia | 0.39747 |
| Bangladesh | Czech\_Republic | 0.29387 |
| Italy | Nigeria | 0.36064 |
| Italy | Laos | 0.08163 |
| Italy | Mongolia | 0.06917 |
| Italy | Iraq | 0.17857 |
| Italy | Egypt | 0.19048 |
| Italy | Pakistan | 0.15385 |
| Italy | China | 0.14596 |
| Italy | Poland | 0.50000 |
| Italy | Turkey | 0.00000 |
| Italy | Thailand | 0.22660 |
| Italy | Uzbekistan | 0.00000 |
| Italy | Malaysia | 0.21429 |
| Italy | United States of America | 0.31866 |
| Italy | Greeece | 0.34127 |
| Italy | Cameroon | 0.18519 |
| Italy | Ghana | 0.62995 |
| Italy | Iran | 0.00000 |
| Italy | Austria | 0.55980 |
| Italy | Argentina | 0.00000 |
| Italy | India | 0.12727 |
| Italy | Australia | 0.00000 |
| Italy | Czech\_Republic | 0.00000 |
| Nigeria | Laos | 0.18784 |
| Nigeria | Mongolia | 0.03868 |
| Nigeria | Iraq | 0.19006 |
| Nigeria | Egypt | 0.06758 |
| Nigeria | Pakistan | 0.10731 |
| Nigeria | China | 0.15855 |
| Nigeria | Poland | 0.44228 |
| Nigeria | Turkey | 0.36064 |
| Nigeria | Thailand | 0.17333 |
| Nigeria | Uzbekistan | -0.27086 |
| Nigeria | Malaysia | 0.14728 |
| Nigeria | United States of America | 0.16789 |
| Nigeria | Greeece | 0.26184 |
| Nigeria | Cameroon | 0.15737 |
| Nigeria | Ghana | 0.16675 |
| Nigeria | Iran | -0.20888 |
| Nigeria | Austria | 0.39849 |
| Nigeria | Argentina | 0.33523 |
| Nigeria | India | 0.10920 |
| Nigeria | Australia | 0.36064 |
| Nigeria | Czech\_Republic | 0.29687 |
| Laos | Mongolia | 0.03063 |
| Laos | Iraq | 0.08968 |
| Laos | Egypt | 0.06020 |
| Laos | Pakistan | 0.07434 |
| Laos | China | -0.01470 |
| Laos | Poland | 0.47389 |
| Laos | Turkey | 0.08163 |
| Laos | Thailand | 0.01087 |
| Laos | Uzbekistan | -0.11485 |
| Laos | Malaysia | 0.00354 |
| Laos | United States of America | 0.11605 |
| Laos | Greeece | 0.18696 |
| Laos | Cameroon | -0.01382 |
| Laos | Ghana | 0.36328 |
| Laos | Iran | -0.14643 |
| Laos | Austria | 0.29408 |
| Laos | Argentina | 0.05130 |
| Laos | India | 0.04831 |
| Laos | Australia | 0.08163 |
| Laos | Czech\_Republic | 0.00940 |
| Mongolia | Iraq | 0.00653 |
| Mongolia | Egypt | 0.03197 |
| Mongolia | Pakistan | 0.04734 |
| Mongolia | China | 0.02482 |
| Mongolia | Poland | 0.25667 |
| Mongolia | Turkey | 0.06917 |
| Mongolia | Thailand | 0.02474 |
| Mongolia | Uzbekistan | -0.02885 |
| Mongolia | Malaysia | 0.00301 |
| Mongolia | United States of America | -0.00105 |
| Mongolia | Greeece | 0.05347 |
| Mongolia | Cameroon | 0.03031 |
| Mongolia | Ghana | 0.03280 |
| Mongolia | Iran | -0.02478 |
| Mongolia | Austria | 0.04199 |
| Mongolia | Argentina | 0.06502 |
| Mongolia | India | 0.02882 |
| Mongolia | Australia | 0.06917 |
| Mongolia | Czech\_Republic | 0.05877 |
| Iraq | Egypt | 0.13374 |
| Iraq | Pakistan | 0.13833 |
| Iraq | China | 0.09245 |
| Iraq | Poland | 0.43033 |
| Iraq | Turkey | 0.17857 |
| Iraq | Thailand | 0.09900 |
| Iraq | Uzbekistan | -0.00714 |
| Iraq | Malaysia | 0.06456 |
| Iraq | United States of America | 0.11306 |
| Iraq | Greeece | 0.13889 |
| Iraq | Cameroon | 0.10966 |
| Iraq | Ghana | 0.27802 |
| Iraq | Iran | -0.00820 |
| Iraq | Austria | 0.09915 |
| Iraq | Argentina | 0.16934 |
| Iraq | India | 0.07654 |
| Iraq | Australia | 0.17857 |
| Iraq | Czech\_Republic | 0.15581 |
| Egypt | Pakistan | 0.12934 |
| Egypt | China | 0.05618 |
| Egypt | Poland | 0.45641 |
| Egypt | Turkey | 0.19048 |
| Egypt | Thailand | 0.07267 |
| Egypt | Uzbekistan | -0.05844 |
| Egypt | Malaysia | 0.07990 |
| Egypt | United States of America | 0.14725 |
| Egypt | Greeece | 0.09699 |
| Egypt | Cameroon | 0.03534 |
| Egypt | Ghana | 0.29663 |
| Egypt | Iran | -0.07143 |
| Egypt | Austria | 0.34763 |
| Egypt | Argentina | 0.16237 |
| Egypt | India | 0.12282 |
| Egypt | Australia | 0.19048 |
| Egypt | Czech\_Republic | 0.12112 |
| Pakistan | China | 0.08016 |
| Pakistan | Poland | 0.46415 |
| Pakistan | Turkey | 0.15385 |
| Pakistan | Thailand | 0.12742 |
| Pakistan | Uzbekistan | -0.28536 |
| Pakistan | Malaysia | 0.08615 |
| Pakistan | United States of America | 0.18078 |
| Pakistan | Greeece | 0.23336 |
| Pakistan | Cameroon | 0.10880 |
| Pakistan | Ghana | 0.30824 |
| Pakistan | Iran | -0.26331 |
| Pakistan | Austria | 0.33169 |
| Pakistan | Argentina | 0.13846 |
| Pakistan | India | -0.01853 |
| Pakistan | Australia | 0.15385 |
| Pakistan | Czech\_Republic | 0.11692 |
| China | Poland | 0.47044 |
| China | Turkey | 0.14596 |
| China | Thailand | 0.01748 |
| China | Uzbekistan | -0.14392 |
| China | Malaysia | -0.00987 |
| China | United States of America | 0.09008 |
| China | Greeece | 0.21669 |
| China | Cameroon | -0.00838 |
| China | Ghana | 0.29847 |
| China | Iran | -0.18280 |
| China | Austria | 0.31161 |
| China | Argentina | 0.11260 |
| China | India | 0.05746 |
| China | Australia | 0.14596 |
| China | Czech\_Republic | 0.06475 |
| Poland | Turkey | 0.50000 |
| Poland | Thailand | 0.46358 |
| Poland | Uzbekistan | 0.41667 |
| Poland | Malaysia | 0.46852 |
| Poland | United States of America | 0.45831 |
| Poland | Greeece | 0.46814 |
| Poland | Cameroon | 0.47012 |
| Poland | Ghana | 0.46679 |
| Poland | Iran | 0.42735 |
| Poland | Austria | 0.47414 |
| Poland | Argentina | 0.49758 |
| Poland | India | 0.45210 |
| Poland | Australia | 0.50000 |
| Poland | Czech\_Republic | 0.49396 |
| Turkey | Thailand | 0.22660 |
| Turkey | Uzbekistan | 0.00000 |
| Turkey | Malaysia | 0.21429 |
| Turkey | United States of America | 0.31866 |
| Turkey | Greeece | 0.34127 |
| Turkey | Cameroon | 0.18519 |
| Turkey | Ghana | 0.62995 |
| Turkey | Iran | 0.00000 |
| Turkey | Austria | 0.55980 |
| Turkey | Argentina | 0.00000 |
| Turkey | India | 0.12727 |
| Turkey | Australia | 0.00000 |
| Turkey | Czech\_Republic | 0.00000 |
| Thailand | Uzbekistan | -0.10379 |
| Thailand | Malaysia | 0.02623 |
| Thailand | United States of America | 0.11339 |
| Thailand | Greeece | 0.23557 |
| Thailand | Cameroon | 0.00505 |
| Thailand | Ghana | 0.31048 |
| Thailand | Iran | -0.13117 |
| Thailand | Austria | 0.30377 |
| Thailand | Argentina | 0.18834 |
| Thailand | India | 0.09077 |
| Thailand | Australia | 0.22660 |
| Thailand | Czech\_Republic | 0.13262 |
| Uzbekistan | Malaysia | -0.23810 |
| Uzbekistan | United States of America | -0.13717 |
| Uzbekistan | Greeece | 0.09188 |
| Uzbekistan | Cameroon | -0.11111 |
| Uzbekistan | Ghana | -0.24331 |
| Uzbekistan | Iran | -0.75000 |
| Uzbekistan | Austria | 0.13378 |
| Uzbekistan | Argentina | -0.02000 |
| Uzbekistan | India | -0.24878 |
| Uzbekistan | Australia | 0.00000 |
| Uzbekistan | Czech\_Republic | -0.05000 |
| Malaysia | United States of America | 0.01087 |
| Malaysia | Greeece | 0.23331 |
| Malaysia | Cameroon | 0.02513 |
| Malaysia | Ghana | 0.21090 |
| Malaysia | Iran | -0.30612 |
| Malaysia | Austria | 0.28884 |
| Malaysia | Argentina | 0.18246 |
| Malaysia | India | 0.02988 |
| Malaysia | Australia | 0.21429 |
| Malaysia | Czech\_Republic | 0.13589 |
| United States of America | Greeece | 0.29475 |
| United States of America | Cameroon | 0.10862 |
| United States of America | Ghana | 0.15423 |
| United States of America | Iran | -0.16584 |
| United States of America | Austria | 0.30392 |
| United States of America | Argentina | 0.29540 |
| United States of America | India | 0.12313 |
| United States of America | Australia | 0.31866 |
| United States of America | Czech\_Republic | 0.26025 |
| Greeece | Cameroon | 0.23982 |
| Greeece | Ghana | 0.54851 |
| Greeece | Iran | 0.11242 |
| Greeece | Austria | 0.26671 |
| Greeece | Argentina | 0.32370 |
| Greeece | India | 0.15453 |
| Greeece | Australia | 0.34127 |
| Greeece | Czech\_Republic | 0.30049 |
| Cameroon | Ghana | 0.31265 |
| Cameroon | Iran | -0.14184 |
| Cameroon | Austria | 0.33767 |
| Cameroon | Argentina | 0.13889 |
| Cameroon | India | 0.09175 |
| Cameroon | Australia | 0.18519 |
| Cameroon | Czech\_Republic | 0.07168 |
| Ghana | Iran | -0.31630 |
| Ghana | Austria | 0.57931 |
| Ghana | Argentina | 0.60081 |
| Ghana | India | 0.26838 |
| Ghana | Australia | 0.62995 |
| Ghana | Czech\_Republic | 0.55486 |
| Iran | Austria | 0.16998 |
| Iran | Argentina | -0.02667 |
| Iran | India | -0.23429 |
| Iran | Australia | 0.00000 |
| Iran | Czech\_Republic | -0.06667 |
| Austria | Argentina | 0.53545 |
| Austria | India | 0.18694 |
| Austria | Australia | 0.55980 |
| Austria | Czech\_Republic | 0.50196 |
| Argentina | India | 0.11744 |
| Argentina | Australia | 0.00000 |
| Argentina | Czech\_Republic | -0.06061 |
| India | Australia | 0.12727 |
| India | Czech\_Republic | 0.10345 |
| Australia | Czech\_Republic | 0.00000 |