Table S1. ROC curve analysis for the antigens and ratios used in the study.

AUC: area under the curve; Se: sensitivity; Sp: specificity; FP: false positives; FN: false negatives; PPV: positive predictive value; NPV: negative predictive value.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | AUC | Cut-off | Se % | Sp % | FP % | FN % | PPV % | NPV % | | SPLA | 1.000 | 0.074 | 100  (97.0-100) | 100  (88.1-100) | 0 | 0 | 100 | 100 | | rK39 | 1.000 | 0.127 | 100  (97.0-100) | 100  (88.1-100) | 0 | 0 | 100 | 100 | | SECA | 0.786 | 0.128 | 81.5  (62.9-79.1) | 71.9  (56.5-89.7) | 28.1 | 24.1 | 46.0 | 94.5 | | Log (nSPLA/nSECA) | 0.965 | -0.0005 | 93.1  (88.4-97.6) | 94.2  (77.2-99.2) | 5.8 | 6.9 | 80.5 | 98.4 | | Log (nrK39/nSECA*)* | 0.982 | -0.006 | 96.5  (86.4-96.5) | 92.6  (82.2-99.9) | 7.4 | 3.4 | 76.3 | 99.2 | | Log (nrK39/nSPLA) | 0.829 | 0.0005 | 86.2  (63.9-80.4) | 72.7  (68.3-96.1) | 27.3 | 13.8 | 46.8 | 96.8 | |

Table S2. Seropositivity to SPLA and rK39 in function of increasing positivity thresholds**.** The seropositivity in the different study cohorts was evaluated in function of increased cut-off stringency. The threshold level was defined increasing the number of cut-offs (N.C.O.) using the formula N.C.O. (n) = (n)\*cut-off.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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C.O** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |  |  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | | **Global** | 168 | 66 | 30 | 19 | 9 | 7 | 3 | 2 | 1 | 1 |  |  | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | **HU** | 31 | 8 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | **NL** | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | **GB** | 23 | 11 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | **DE** | 32 | 5 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | **FR** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | **DK** | 12 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | **PL** | 43 | 27 | 17 | 12 | 4 | 3 | 2 | 1 | 0 | 0 |  |  | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | **PT** | 21 | 8 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 |  |  | 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | **CanL+** | 45 | 42 | 38 | 38 | 37 | 34 | 33 | 30 | 28 | 26 |  |  | 43 | 41 | 38 | 37 | 36 | 35 | 35 | 35 | 33 | 33 | | **CanL-** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

Table S3. Analysis of country and group specific median reactivity [log(nrK39)]. The samples from the study group were divided according to the country of origin (HU-Hungary, NL-the Netherlands, UK-United Kingdom, DE-Germany, FR-France, DK-Denmark, PL-Poland and PT-Portugal) and then compared using Kruskal-Wallis statistic test from GraphPad Prism 5 software (GraphPad Software, USA). \* P<0.05 ; \*\* P<0.01 ; \*\*\* P<0.001 ; ns – no statistical significant difference.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | HU | NL | UK | DE | FR | DK | PL | PT | | HU |  | ns | ns | \*\* | ns | ns | ns | \*\* | | NL | ns |  | ns | ns | ns | ns | ns | \*\*\* | | UK | ns | ns |  | ns | ns | ns | ns | \*\*\* | | DE | \*\* | ns | ns |  | ns | ns | ns | \*\*\* | | FR | ns | ns | ns | ns |  | ns | ns | \*\*\* | | DK | ns | ns | ns | ns | ns |  | ns | \*\* | | PL | ns | ns | ns | ns | ns | ns |  | \*\*\* | | PT | \*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\* | \*\*\* |  | | |

Table S4. Analysis of country and group specific median reactivity [log(nSPLA)]. The samples from the study group were divided according to the country of origin (HU-Hungary, NL-the Netherlands, UK-United Kingdom, DE-Germany, FR-France, DK-Denmark, PL-Poland and PT-Portugal) and then compared using Kruskal-Wallis statistic test from GraphPad Prism 5 software (GraphPad Software, USA). \* P<0.05 ; \*\* P<0.01 ; \*\*\* P<0.001 ; ns – no statistical significant difference.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | HU | NL | UK | DE | FR | DK | PL | PT | | HU |  | \*\*\* | ns | ns | \*\*\* | \*\* | ns | ns | | NL | \*\*\* |  | ns | \*\*\* | ns | ns | \*\*\* | ns | | UK | ns | ns |  | ns | \*\*\* | ns | \*\*\* | ns | | DE | ns | \*\*\* | ns |  | \*\*\* | ns | \*\*\* | ns | | FR | \*\*\* | ns | \*\*\* | \*\*\* |  | \* | ns | ns | | DK | \*\* | ns | ns | ns | \* |  | \*\*\* | ns | | PL | ns | \*\*\* | \*\*\* | \*\*\* | ns | \*\*\* |  | \*\*\* | | PT | ns | ns | ns | ns | ns | ns | \*\*\* |  | | |

Table S5. Analysis of country and group specific median reactivity [log(nSECA)]. The samples from the study group were divided according to the country of origin (HU-Hungary, NL-the Netherlands, UK-United Kingdom, DE-Germany, FR-France, DK-Denmark, PL-Poland and PT-Portugal) and then compared using Kruskal-Wallis statistic test from GraphPad Prism 5 software (GraphPad Software, USA). \* P<0.05 ; \*\* P<0.01 ; \*\*\* P<0.001 ; ns – no statistical significant difference.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | HU | NL | UK | DE | FR | DK | PL | PT | | HU |  | ns | ns | ns | ns | \* | ns | \*\*\* | | NL | ns |  | ns | ns | ns | \*\*\* | \* | \*\*\* | | UK | ns | ns |  | ns | ns | \*\*\* | \* | \*\*\* | | DE | ns | ns | ns |  | ns | \*\*\* | ns | \*\*\* | | FR | ns | ns | ns | ns |  | \* | ns | \*\*\* | | DK | \* | \*\*\* | \*\*\* | \*\*\* | \* |  | ns | \*\*\* | | PL | ns | \* | \* | ns | ns | ns |  | \*\*\* | | PT | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  | |   Table S6. Correlation between antigens in the different study cohorts. The samples from the study group were divided according to either group designation (CanL+ and CanL-) or country of origin (HU-Hungary, NL-the Netherlands, UK-United Kingdom, DE-Germany, FR-France, DK-Denmark, PL-Poland and PT-Portugal). For assessment of correlations between antigens in the different cohorts, Gaussian distribution was tested by D'Agostino-Pearson omnibus K2 statistics and the results compared based on the correlation coefficient (r), coefficient of determination (r2) and significance level (P value, (\* P<0.05 ; \*\* P<0.01 ; \*\*\* P<0.001 ; ns – no statistical significant difference). |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Antigens | CanL+ | CanL- | HU | NL | UK | DE | FR | DK | PL | PT | |  | SPLA vs rK39 | 0.423 | 0.294 | -0.041 | 0.268 | 0.261 | -0.057 | -0.084 | 0.295 | -0.165 | 0.566 | | **r** | SPLA vs SECA | 0.430 | 0.356 | 0.244 | 0.127 | 0.056 | 0.504 | 0.108 | 0.024 | 0.321 | 0.336 | |  | rK39 vs SECA | -0.053 | 0.276 | 0.189 | 0.616 | 0.210 | 0.118 | 0.003 | 0.239 | 0.109 | 0.264 | |  |  |  |  |  |  |  |  |  |  |  |  | |  | SPLA vs rK39 | \* | \*\* | ns | ns | ns | ns | ns | \* | ns | \*\*\* | | **P** | SPLA vs SECA | \* | \*\*\* | ns | ns | ns | \*\*\* | ns | ns | \* | \* | |  | rK39 vs SECA | ns | \*\* | ns | \*\*\* | ns | ns | ns | ns | ns | ns | |  |  |  |  |  |  |  |  |  |  |  |  | |  | SPLA vs rK39 | 0.179 | 0.087 | 0.002 | 0.072 | 0.068 | 0.003 | 0.007 | 0.087 | 0.027 | 0.321 | | **r2** | SPLA vs SECA | 0.185 | 0.127 | 0.059 | 0.016 | 0.003 | 0.254 | 0.012 | 0.0006 | 0.103 | 0.113 | |  | rK39 vs SECA | 0.003 | 0.076 | 0.036 | 0.379 | 0.044 | 0.014 | 0.00001 | 0.057 | 0.012 | 0.070 | | |

Table S7. Percentage of animals in CanL+ with normalized ratios above 1

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | SPLA/SECA | rK39/SECA | rK39/SPLA | | CanL+ | 93.1 (27/29) | 89.6 (26/29) | 82.8 (24/29) | | | | |

Table S8. Percentage of positivity in each study cohort for the different antigen ratios.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | SPLA/SECA | rK39/SECA | rK39/SPLA | | CanL+ | 93.1 (27/29) | 96.5 (28/29) | 86.2 (25/29) | | CanL- | 5.8 (7/121) | 7.4 (9/121) | 27.3 (33/121) | | Europe | 43.0 (165/384) | 38.0 (144/384) | 27.0 (104/384) | | | | |

Table S9. Logarithm of optical densities normalized by the cut-off inferred by ROC curves for each antigen (SPLA, rK39 and SECA) and for the ratios (SPLA/SECA, rK39/SPLA and rK39/SPLA) in the three cohorts of study: CanL+, CanL- and Europe (HU-Hungary, NL-the Netherlands, UK-United Kingdom, DE-Germany, FR-France, DK-Denmark, PL-Poland and PT-Portugal). Values above the cut-off are highlighted.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sample | Antigen | | | Antigen Ratios | | |
|  | **SPLA** | **rK39** | **SECA** | **SPLA/SECA** | **rK39/SPLA** | **rK39/SPLA** |
| **Canl+ 1** | 0,773 | 1,143 | 0,191 | 0,491 | 1,288 | 0,524 |
| **Canl+ 2** | 0,335 | 0,604 | -0,248 | 0,492 | 1,187 | 0,422 |
| **Canl+ 3** | 0,968 | 1,662 | 0,016 | 0,862 | 1,982 | 0,848 |
| **Canl+ 4** | 0,799 | 0,322 | 1,283 | -0,574 | -0,626 | -0,324 |
| **Canl+ 5** | 0,846 | 0,294 | 0,004 | 0,751 | 0,626 | -0,398 |
| **Canl+ 6** | 0,107 | 1,026 | -0,159 | 0,175 | 1,520 | 1,072 |
| **Canl+ 7** | 1,001 | 0,195 | 0,115 | 0,796 | 0,415 | -0,653 |
| **Canl+ 8** | 0,911 | 1,130 | 0,085 | 0,736 | 1,381 | 0,373 |
| **Canl+ 9** | 0,312 | 0,379 | 0,601 | -0,380 | 0,114 | 0,221 |
| **Canl+ 10** | 0,941 | 0,305 | 0,573 | 0,277 | 0,067 | -0,482 |
| **Canl+ 11** | 1,027 | 0,910 | 0,085 | 0,852 | 1,161 | 0,036 |
| **Canl+ 12** | 1,371 | 2,133 | 0,041 | 1,239 | 2,428 | 0,916 |
| **Canl+ 13** | 1,070 | 1,696 | 0,184 | 0,795 | 1,848 | 0,780 |
| **Canl+ 14** | 0,982 | 1,410 | 0,411 | 0,481 | 1,335 | 0,582 |
| **Canl+ 15** | 1,184 | 2,316 | 0,031 | 1,063 | 2,620 | 1,285 |
| **Canl+ 16** | 0,183 | 1,585 | -0,306 | 0,845 | 2,226 | 1,555 |
| **Canl+ 17** | 1,108 | 1,944 | -0,046 | 0,799 | 2,325 | 0,989 |
| **Canl+ 18** | 0,103 | 1,593 | -0,140 | 0,153 | 2,068 | 1,643 |
| **Canl+ 19** | 0,432 | 1,611 | 0,119 | 0,016 | 1,827 | 1,333 |
| **Canl+ 20** | 1,222 | 1,080 | 0,500 | 0,631 | 0,915 | 0,012 |
| **Canl+ 21** | 1,078 | 2,280 | 0,878 | 0,160 | 1,738 | 1,356 |
| **Canl+ 22** | 0,734 | 1,408 | -0,005 | 0,502 | 1,748 | 0,827 |
| **Canl+ 23** | 1,410 | 1,962 | 0,535 | 0,706 | 1,762 | 0,706 |
| **Canl+ 24** | 1,490 | 1,469 | 0,562 | 0,693 | 1,243 | 0,133 |
| **Canl+ 25** | 1,010 | 1,372 | 0,160 | 0,635 | 1,547 | 0,515 |
| **Canl+ 26** | 0,384 | 0,568 | -0,174 | 0,467 | 1,077 | 0,338 |
| **Canl+ 27** | 1,401 | 1,411 | 0,329 | 0,826 | 1,418 | 0,164 |
| **Canl+ 28** | 1,435 | 2,203 | 0,412 | 1,039 | 2,127 | 0,922 |
| **Canl+ 29** | 1,309 | 2,096 | 0,380 | 0,838 | 2,051 | 0,941 |
| **CanL- 1** | -0,253 | -1,191 | -0,123 | -0,221 | -0,733 | -0,784 |
| **CanL- 2** | -0,353 | -1,126 | 0,318 | -0,761 | -1,109 | -0,620 |
| **CanL- 3** | -0,419 | -0,810 | -0,247 | -0,262 | -0,227 | -0,238 |
| **CanL- 4** | -0,445 | -0,990 | 0,270 | -0,806 | -0,925 | -0,391 |
| **CanL- 5** | -0,269 | -0,995 | 0,068 | -0,428 | -0,728 | -0,573 |
| **CanL- 6** | -0,396 | -1,560 | -0,257 | -0,229 | -0,967 | -1,010 |
| **CanL- 7** | -0,391 | -1,007 | 0,154 | -0,636 | -0,826 | -0,462 |
| **CanL- 8** | -0,333 | -0,833 | -0,219 | -0,205 | -0,278 | -0,346 |
| **CanL- 9** | -0,307 | -0,958 | -0,161 | -0,236 | -0,461 | -0,497 |
| **CanL- 10** | -0,370 | -1,928 | -0,436 | -0,025 | -1,156 | -1,404 |
| **CanL- 11** | -0,443 | -1,405 | -0,452 | -0,082 | -0,617 | -0,808 |
| **CanL- 12** | -0,345 | -0,865 | 0,000 | -0,436 | -0,530 | -0,366 |
| **CanL- 13** | -0,410 | -1,678 | -0,134 | -0,366 | -1,208 | -1,114 |
| **CanL- 14** | -0,354 | -1,377 | -0,002 | -0,442 | -1,039 | -0,869 |
| **CanL- 15** | -0,383 | -0,968 | -0,456 | -0,017 | -0,176 | -0,431 |
| **CanL- 16** | -0,412 | -1,097 | 0,212 | -0,715 | -0,973 | -0,531 |
| **CanL- 17** | -0,381 | -1,675 | -0,899 | 0,427 | -0,441 | -1,141 |
| **CanL- 18** | -0,277 | -0,659 | 0,102 | -0,470 | -0,426 | -0,228 |
| **CanL- 19** | -0,428 | -1,326 | -0,072 | -0,446 | -0,919 | -0,744 |
| **CanL- 20** | -0,285 | -1,391 | -0,224 | -0,152 | -0,832 | -0,952 |
| **CanL- 21** | -0,400 | -1,326 | 0,036 | -0,526 | -1,026 | -0,772 |
| **CanL- 22** | -0,381 | -1,560 | 0,145 | -0,617 | -1,370 | -1,025 |
| **CanL- 23** | -0,381 | -1,219 | -0,211 | -0,260 | -0,673 | -0,685 |
| **CanL- 24** | -0,314 | -1,601 | -0,532 | 0,128 | -0,733 | -1,133 |
| **CanL- 25** | -0,320 | -1,560 | -0,214 | -0,197 | -1,011 | -1,086 |
| **CanL- 26** | -0,372 | -0,928 | -0,162 | -0,300 | -0,430 | -0,402 |
| **CanL- 27** | -0,390 | -1,733 | -0,193 | -0,288 | -1,204 | -1,189 |
| **CanL- 28** | -0,343 | -1,239 | 0,270 | -0,703 | -1,173 | -0,742 |
| **CanL- 29** | -0,130 | -0,363 | -0,199 | -0,022 | 0,171 | -0,079 |
| **CanL- 30** | -1,349 | -1,973 | -0,110 | -1,330 | -1,528 | -0,471 |
| **CanL- 31** | -1,805 | -1,652 | 0,122 | -2,018 | -1,438 | 0,307 |
| **CanL- 32** | -1,805 | -2,174 | -0,190 | -1,706 | -1,649 | -0,216 |
| **CanL- 33** | -1,474 | -1,449 | -0,082 | -1,483 | -1,032 | 0,179 |
| **CanL- 34** | -2,159 | -1,110 | -0,203 | -2,047 | -0,572 | 1,202 |
| **CanL- 35** | -1,188 | -0,765 | 0,196 | -1,474 | -0,625 | 0,577 |
| **CanL- 36** | -1,943 | -0,821 | -0,626 | -1,407 | 0,141 | 1,275 |
| **CanL- 37** | -1,395 | -1,579 | 0,091 | -1,576 | -1,334 | -0,030 |
| **CanL- 38** | -1,943 | -2,174 | -0,206 | -1,827 | -1,633 | -0,078 |
| **CanL- 39** | -1,943 | -2,174 | 0,707 | -2,740 | -2,546 | -0,078 |
| **CanL- 40** | -1,943 | -0,619 | -0,506 | -1,527 | 0,222 | 1,477 |
| **CanL- 41** | -0,452 | -1,200 | 0,385 | -0,927 | -1,249 | -0,594 |
| **CanL- 42** | -1,234 | -2,174 | -0,348 | -0,977 | -1,491 | -0,787 |
| **CanL- 43** | -0,753 | -0,853 | 0,451 | -1,294 | -0,968 | 0,054 |
| **CanL- 44** | -0,818 | -0,990 | 0,118 | -1,026 | -0,772 | -0,018 |
| **CanL- 45** | -0,887 | -2,269 | -0,013 | -0,964 | -1,921 | -1,229 |
| **CanL- 46** | -0,654 | -1,878 | 0,325 | -1,070 | -1,868 | -1,070 |
| **CanL- 47** | -0,655 | -1,703 | 0,158 | -0,903 | -1,526 | -0,895 |
| **CanL- 48** | -1,159 | -1,601 | 0,479 | -1,729 | -1,745 | -0,288 |
| **CanL- 49** | -0,673 | -1,389 | 0,050 | -0,813 | -1,104 | -0,563 |
| **CanL- 50** | -0,451 | -2,174 | -0,101 | -0,441 | -1,738 | -1,569 |
| **CanL- 51** | -0,886 | -2,269 | -0,220 | -0,756 | -1,714 | -1,229 |
| **CanL- 52** | -1,130 | -2,174 | -0,461 | -0,760 | -1,378 | -0,890 |
| **CanL- 53** | -0,872 | -1,239 | -0,088 | -0,874 | -0,815 | -0,213 |
| **CanL- 54** | -1,533 | -2,174 | 0,083 | -1,707 | -1,922 | -0,488 |
| **CanL- 55** | -1,105 | -1,799 | -0,086 | -1,109 | -1,377 | -0,541 |
| **CanL- 56** | -0,696 | -1,324 | -0,058 | -0,728 | -0,931 | -0,475 |
| **CanL- 57** | -0,879 | -1,733 | -0,513 | -0,456 | -0,884 | -0,700 |
| **CanL- 58** | -1,172 | -1,581 | 0,190 | -1,453 | -1,436 | -0,256 |
| **CanL- 59** | -0,486 | -1,280 | 0,122 | -0,698 | -1,066 | -0,640 |
| **CanL- 60** | -0,758 | -1,841 | -0,012 | -0,837 | -1,493 | -0,929 |
| **CanL- 61** | -0,950 | -1,979 | -0,011 | -1,030 | -1,633 | -0,875 |
| **CanL- 62** | -0,397 | -1,768 | 0,210 | -0,698 | -1,642 | -1,217 |
| **CanL- 63** | -0,960 | -2,174 | -0,105 | -0,946 | -1,734 | -1,061 |
| **CanL- 64** | -0,811 | -1,420 | -0,087 | -0,815 | -0,997 | -0,454 |
| **CanL- 65** | -0,466 | -0,958 | -0,437 | -0,119 | -0,185 | -0,338 |
| **CanL- 66** | -0,642 | -1,803 | 0,153 | -0,886 | -1,621 | -1,007 |
| **CanL- 67** | -0,593 | -1,837 | 0,665 | -1,349 | -2,167 | -1,090 |
| **CanL- 68** | -0,700 | -1,350 | -0,263 | -0,528 | -0,752 | -0,496 |
| **CanL- 69** | -0,894 | -1,502 | -0,022 | -0,962 | -1,144 | -0,454 |
| **CanL- 70** | -1,036 | -0,611 | -0,040 | -1,087 | -0,236 | 0,579 |
| **CanL- 71** | -0,864 | -1,233 | -0,168 | -0,787 | -0,730 | -0,215 |
| **CanL- 72** | -1,943 | -1,493 | -0,470 | -1,563 | -0,687 | 0,604 |
| **CanL- 73** | -1,605 | -1,568 | -0,108 | -1,588 | -1,125 | 0,191 |
| **CanL- 74** | -0,902 | -1,357 | -0,340 | -0,653 | -0,681 | -0,301 |
| **CanL- 75** | -0,894 | -1,086 | -0,084 | -0,901 | -0,667 | -0,038 |
| **CanL- 76** | -1,287 | -1,509 | 0,248 | -1,625 | -1,422 | -0,069 |
| **CanL- 77** | -1,943 | -1,612 | -0,359 | -1,674 | -0,918 | 0,484 |
| **CanL- 78** | -0,996 | -1,307 | -0,351 | -0,736 | -0,621 | -0,157 |
| **CanL- 79** | -1,943 | -1,509 | -0,185 | -1,848 | -0,989 | 0,587 |
| **CanL- 80** | -1,805 | -1,493 | -0,003 | -1,893 | -1,154 | 0,466 |
| **CanL- 81** | -0,721 | -0,671 | 0,100 | -0,912 | -0,436 | 0,203 |
| **CanL- 82** | -1,420 | -0,843 | -0,248 | -1,262 | -0,259 | 0,731 |
| **CanL- 83** | -1,805 | -1,215 | -0,556 | -1,340 | -0,323 | 0,744 |
| **CanL- 84** | -0,988 | -1,040 | -0,219 | -0,859 | -0,485 | 0,101 |
| **CanL- 85** | -0,668 | -1,016 | 0,661 | -1,419 | -1,341 | -0,194 |
| **CanL- 86** | -1,130 | -0,741 | -0,161 | -1,060 | -0,244 | 0,544 |
| **CanL- 87** | -0,417 | -0,582 | 0,284 | -0,792 | -0,531 | -0,011 |
| **CanL- 88** | -0,492 | -0,618 | -0,134 | -0,449 | -0,149 | 0,027 |
| **CanL- 89** | -1,119 | -2,174 | -0,362 | -0,847 | -1,477 | -0,902 |
| **CanL- 90** | -1,943 | -1,285 | -0,780 | -1,253 | -0,170 | 0,811 |
| **CanL- 91** | -0,613 | -2,062 | -0,667 | -0,037 | -1,060 | -1,296 |
| **CanL- 92** | -0,360 | -2,678 | -0,964 | 0,513 | -1,379 | -2,164 |
| **CanL- 93** | -0,943 | -2,174 | -1,278 | 0,245 | -0,561 | -1,078 |
| **CanL- 94** | -0,650 | -1,538 | -0,280 | -0,461 | -0,923 | -0,734 |
| **CanL- 95** | -0,701 | -2,062 | -1,479 | 0,687 | -0,248 | -1,208 |
| **CanL- 96** | -0,517 | -1,550 | -2,107 | 1,500 | 0,893 | -0,879 |
| **CanL- 97** | -1,571 | -2,678 | -0,619 | -1,042 | -1,723 | -0,953 |
| **CanL- 98** | -1,943 | -1,817 | 0,022 | -2,055 | -1,504 | 0,279 |
| **CanL- 99** | -1,943 | -0,889 | -0,028 | -2,006 | -0,525 | 1,208 |
| **CanL- 100** | -1,646 | -1,307 | -0,892 | -0,845 | -0,079 | 0,493 |
| **CanL- 101** | -1,369 | -1,785 | 0,217 | -1,677 | -1,667 | -0,262 |
| **CanL- 102** | -1,026 | -1,733 | -1,300 | 0,183 | -0,097 | -0,553 |
| **CanL- 103** | -1,943 | -2,174 | -1,019 | -1,014 | -0,820 | -0,078 |
| **CanL- 104** | -1,568 | -1,803 | -0,266 | -1,392 | -1,202 | -0,082 |
| **CanL- 105** | -1,943 | -1,803 | -0,579 | -1,454 | -0,888 | 0,294 |
| **CanL- 106** | -1,943 | -1,841 | -0,924 | -1,109 | -0,581 | 0,256 |
| **CanL- 107** | -1,943 | -1,904 | -1,063 | -0,971 | -0,506 | 0,192 |
| **CanL- 108** | -1,568 | -0,635 | -1,024 | -0,634 | 0,725 | 1,086 |
| **CanL- 109** | -1,943 | -2,174 | 0,358 | -2,391 | -2,197 | -0,078 |
| **CanL- 110** | -1,943 | -1,370 | -0,028 | -2,005 | -1,006 | 0,726 |
| **CanL- 111** | -1,943 | -1,254 | -0,990 | -1,043 | 0,072 | 0,843 |
| **CanL- 112** | -1,943 | -3,104 | -1,226 | -0,807 | -1,542 | -1,007 |
| **CanL- 113** | -1,943 | -2,174 | -0,958 | -1,075 | -0,881 | -0,078 |
| **CanL- 114** | -1,943 | -2,326 | -0,476 | -1,557 | -1,514 | -0,229 |
| **CanL- 115** | -1,943 | -2,001 | -0,984 | -1,049 | -0,681 | 0,095 |
| **CanL- 116** | -1,943 | -0,642 | -0,793 | -1,240 | 0,486 | 1,454 |
| **CanL- 117** | -1,943 | -1,301 | -1,514 | -0,519 | 0,549 | 0,795 |
| **CanL- 118** | -1,943 | -2,560 | -1,372 | -0,661 | -0,852 | -0,463 |
| **CanL- 119** | -1,943 | -0,740 | -1,310 | -0,723 | 0,905 | 1,356 |
| **CanL- 120** | -1,943 | -2,326 | -1,640 | -0,393 | -0,350 | -0,229 |
| **CanL- 121** | -2,159 | -2,467 | -1,346 | -0,903 | -0,785 | -0,154 |
| **HU1** | 0,258 | -1,104 | -0,322 | 0,438 | -0,447 | -1,208 |
| **HU2** | 0,301 | -0,326 | 0,700 | -0,541 | -0,691 | -0,473 |
| **HU3** | 0,141 | -0,340 | -0,193 | 0,192 | 0,188 | -0,327 |
| **HU4** | 0,402 | -0,095 | 0,042 | 0,218 | 0,198 | -0,344 |
| **HU5** | -0,124 | -0,432 | -0,221 | -0,045 | 0,124 | -0,154 |
| **HU6** | 0,255 | -2,259 | -0,120 | 0,234 | -1,803 | -2,360 |
| **HU7** | -0,165 | -0,990 | -0,199 | -0,108 | -0,456 | -0,672 |
| **HU8** | 0,717 | -0,470 | 0,000 | 0,575 | -0,135 | -1,033 |
| **HU9** | -0,341 | -1,062 | -0,336 | -0,146 | -0,391 | -0,568 |
| **HU10** | 0,261 | -0,363 | -0,178 | 0,297 | 0,150 | -0,471 |
| **HU11** | 0,052 | -0,432 | -0,367 | 0,277 | 0,270 | -0,330 |
| **HU12** | 0,258 | -0,470 | 0,003 | 0,113 | -0,138 | -0,575 |
| **HU13** | 0,145 | -0,481 | -0,367 | 0,370 | 0,222 | -0,472 |
| **HU14** | 0,397 | -0,524 | -0,024 | 0,280 | -0,164 | -0,768 |
| **HU15** | -0,328 | -0,548 | -0,400 | -0,070 | 0,187 | -0,066 |
| **HU16** | 0,036 | -0,641 | -0,367 | 0,261 | 0,061 | -0,524 |
| **HU17** | 0,515 | -0,253 | 0,391 | -0,018 | -0,308 | -0,614 |
| **HU18** | -0,474 | -0,599 | -0,173 | -0,443 | -0,091 | 0,029 |
| **HU19** | 0,268 | -0,502 | -0,315 | 0,441 | 0,148 | -0,616 |
| **HU20** | 0,042 | -0,572 | -0,602 | 0,502 | 0,365 | -0,460 |
| **HU21** | -0,381 | -0,318 | 0,294 | -0,817 | -0,277 | 0,216 |
| **HU22** | -0,080 | -0,298 | -0,351 | 0,130 | 0,389 | -0,064 |
| **HU23** | 0,200 | -0,291 | -0,143 | 0,201 | 0,188 | -0,337 |
| **HU24** | 0,345 | -0,560 | -0,232 | 0,436 | 0,008 | -0,751 |
| **HU25** | 0,020 | -1,201 | -0,602 | 0,480 | -0,263 | -1,067 |
| **HU26** | 0,343 | -2,259 | -0,226 | 0,427 | -1,697 | -2,448 |
| **HU27** | -0,292 | -0,502 | -0,262 | -0,172 | 0,096 | -0,056 |
| **HU28** | -0,410 | -0,356 | -0,563 | 0,012 | 0,543 | 0,208 |
| **HU29** | 0,082 | -0,502 | -0,444 | 0,385 | 0,278 | -0,430 |
| **HU30** | 0,003 | -0,560 | -0,336 | 0,197 | 0,112 | -0,409 |
| **HU32** | 0,165 | -1,025 | -0,336 | 0,360 | -0,353 | -1,036 |
| **HU33** | 0,310 | -0,380 | -0,047 | 0,214 | 0,002 | -0,536 |
| **HU35** | 0,252 | -0,536 | -0,474 | 0,584 | 0,273 | -0,634 |
| **HU36** | -0,033 | -0,524 | -0,727 | 0,552 | 0,538 | -0,337 |
| **HU37** | 0,192 | -0,201 | 0,189 | -0,139 | -0,055 | -0,239 |
| **HU38** | -0,109 | -0,451 | -0,143 | -0,107 | 0,028 | -0,188 |
| **HU39** | -0,304 | -0,491 | -0,426 | -0,020 | 0,270 | -0,033 |
| **HU40** | 0,157 | -0,502 | 0,083 | -0,068 | -0,250 | -0,505 |
| **HU41** | -0,003 | -1,025 | -0,143 | -0,001 | -0,546 | -0,868 |
| **HU42** | -0,441 | -0,612 | -0,134 | -0,448 | -0,143 | -0,018 |
| **HU43** | 0,031 | -0,451 | 0,086 | -0,197 | -0,201 | -0,328 |
| **HU44** | 0,082 | -0,524 | -0,210 | 0,150 | 0,021 | -0,452 |
| **HU45** | 0,177 | -0,460 | -0,028 | 0,063 | -0,097 | -0,484 |
| **HU46** | -0,259 | -0,599 | 0,397 | -0,798 | -0,660 | -0,186 |
| **HU47** | 0,173 | -0,460 | -0,158 | 0,189 | 0,033 | -0,480 |
| **HU48** | 0,495 | -0,724 | -0,163 | 0,516 | -0,226 | -1,065 |
| **HU49** | -0,009 | -0,958 | 0,030 | -0,180 | -0,652 | -0,795 |
| **NL3** | -0,249 | -0,548 | 0,069 | -0,460 | -0,281 | -0,145 |
| **NL5** | -0,116 | -0,560 | 0,010 | -0,268 | -0,234 | -0,290 |
| **NL6** | -0,229 | -0,451 | 0,377 | -0,748 | -0,492 | -0,068 |
| **NL7** | -0,229 | -0,599 | -0,275 | -0,096 | 0,011 | -0,216 |
| **NL8** | -0,381 | -0,536 | -0,139 | -0,384 | -0,062 | -0,001 |
| **NL9** | -0,173 | -0,460 | -0,173 | -0,142 | 0,048 | -0,134 |
| **NL10** | -0,040 | -0,641 | 0,187 | -0,369 | -0,493 | -0,448 |
| **NL11** | -0,182 | -1,150 | -0,153 | -0,171 | -0,661 | -0,814 |
| **NL12** | -0,281 | -0,627 | -0,454 | 0,031 | 0,163 | -0,192 |
| **NL13** | -0,642 | -0,599 | -0,527 | -0,256 | 0,264 | 0,197 |
| **NL14** | 0,042 | -0,356 | -0,344 | 0,244 | 0,324 | -0,244 |
| **NL16** | -0,173 | -0,524 | -0,112 | -0,203 | -0,077 | -0,197 |
| **NL17** | -0,328 | -0,536 | -0,630 | 0,160 | 0,430 | -0,054 |
| **NL18** | -0,696 | -1,201 | -0,408 | -0,430 | -0,457 | -0,351 |
| **NL19** | -0,148 | -0,627 | -0,158 | -0,132 | -0,134 | -0,325 |
| **NL20** | -0,642 | -0,641 | -0,692 | -0,091 | 0,386 | 0,154 |
| **NL21** | -0,053 | -0,502 | -0,322 | 0,128 | 0,155 | -0,295 |
| **NL22** | -0,410 | -0,627 | -0,074 | -0,478 | -0,218 | -0,063 |
| **NL23** | -0,292 | -0,513 | -0,408 | -0,026 | 0,231 | -0,067 |
| **NL24** | 0,031 | -0,441 | 0,730 | -0,841 | -0,836 | -0,318 |
| **NL25** | 0,196 | -0,672 | -0,120 | 0,175 | -0,217 | -0,715 |
| **NL26** | -0,281 | -0,958 | 0,198 | -0,621 | -0,820 | -0,523 |
| **NL27** | -0,341 | -0,363 | -0,709 | 0,227 | 0,681 | 0,131 |
| **NL28** | -0,140 | -0,627 | -0,408 | 0,127 | 0,117 | -0,333 |
| **NL30** | -0,668 | -0,627 | 0,243 | -1,053 | -0,534 | 0,195 |
| **NL31** | -1,027 | -0,672 | -0,383 | -0,786 | 0,046 | 0,508 |
| **NL32** | -0,696 | -0,657 | -0,188 | -0,650 | -0,133 | 0,193 |
| **NL33** | -0,969 | -0,612 | -0,660 | -0,451 | 0,383 | 0,510 |
| **NL34** | -0,831 | -0,849 | -0,692 | -0,280 | 0,179 | 0,136 |
| **NL35** | -0,793 | -2,259 | -2,262 | 1,327 | 0,339 | -1,312 |
| **NL37** | -0,474 | -0,657 | -0,630 | 0,014 | 0,309 | -0,029 |
| **NL38** | -0,726 | -0,689 | -0,527 | -0,340 | 0,174 | 0,191 |
| **NL39** | -0,165 | -0,641 | -0,616 | 0,309 | 0,310 | -0,323 |
| **NL40** | -0,027 | -0,657 | -0,474 | 0,305 | 0,152 | -0,476 |
| **NL43** | -0,457 | -0,627 | -0,630 | 0,031 | 0,339 | -0,016 |
| **NL44** | -0,668 | -0,641 | -0,630 | -0,180 | 0,324 | 0,180 |
| **NL45** | -0,304 | -0,742 | -0,589 | 0,143 | 0,182 | -0,284 |
| **NL46** | -0,200 | -1,627 | -1,505 | 1,163 | 0,214 | -1,273 |
| **NL47** | 0,245 | -0,689 | -0,903 | 1,006 | 0,550 | -0,780 |
| **NL48** | 0,508 | -0,641 | -1,630 | 1,996 | 1,324 | -0,996 |
| **NL49** | 0,456 | -0,423 | -0,143 | 0,458 | 0,056 | -0,725 |
| **NL50** | -0,593 | -0,548 | -0,210 | -0,526 | -0,003 | 0,200 |
| **GB1** | -0,209 | -0,451 | 0,083 | -0,434 | -0,198 | -0,088 |
| **GB2** | 0,149 | -2,259 | -0,676 | 0,683 | -1,248 | -2,254 |
| **GB3** | 0,192 | -0,612 | 0,030 | 0,021 | -0,307 | -0,651 |
| **GB4** | -0,009 | -0,572 | -0,745 | 0,595 | 0,509 | -0,410 |
| **GB5** | -0,015 | -0,536 | -0,727 | 0,570 | 0,527 | -0,367 |
| **GB6** | 0,177 | -0,572 | -0,435 | 0,470 | 0,198 | -0,596 |
| **GB7** | 0,096 | -0,491 | -0,094 | 0,049 | -0,061 | -0,434 |
| **GB8** | -0,219 | -0,641 | -0,391 | 0,030 | 0,085 | -0,269 |
| **GB9** | 0,020 | -0,627 | -0,539 | 0,417 | 0,248 | -0,493 |
| **GB10** | -0,328 | -2,259 | -0,961 | 0,491 | -0,962 | -1,777 |
| **GB11** | -0,094 | -0,672 | -0,062 | -0,174 | -0,275 | -0,425 |
| **GB12** | -0,316 | -0,083 | -0,062 | -0,396 | 0,315 | 0,387 |
| **GB13** | -0,316 | -0,641 | -0,039 | -0,419 | -0,267 | -0,172 |
| **GB14** | -0,425 | -0,524 | -0,288 | -0,279 | 0,099 | 0,055 |
| **GB15** | -0,191 | -0,657 | -0,785 | 0,452 | 0,464 | -0,312 |
| **GB16** | 0,409 | -0,689 | -0,028 | 0,295 | -0,325 | -0,944 |
| **GB17** | -0,571 | -0,849 | -0,028 | -0,685 | -0,485 | -0,124 |
| **GB18** | -0,872 | -2,259 | -0,444 | -0,569 | -1,479 | -1,233 |
| **GB19** | -0,831 | -0,724 | -0,391 | -0,581 | 0,003 | 0,261 |
| **GB21** | 0,371 | -0,388 | -0,993 | 1,222 | 0,941 | -0,605 |
| **GB22** | 0,313 | -0,724 | -1,107 | 1,278 | 0,719 | -0,882 |
| **GB23** | 0,283 | -0,131 | -0,010 | 0,152 | 0,215 | -0,260 |
| **GB24** | 0,513 | -0,627 | -0,244 | 0,616 | -0,047 | -0,986 |
| **GB25** | 0,803 | -0,689 | -0,288 | 0,949 | -0,066 | -1,338 |
| **GB26** | 0,161 | -0,900 | -0,709 | 0,729 | 0,145 | -0,907 |
| **GB28** | -0,530 | -1,201 | -0,375 | -0,297 | -0,491 | -0,517 |
| **GB29** | -0,550 | -0,524 | -0,094 | -0,597 | -0,094 | 0,180 |
| **GB30** | -1,173 | -0,572 | -0,221 | -1,094 | -0,016 | 0,755 |
| **GB31** | 0,031 | -0,560 | 0,367 | -0,478 | -0,591 | -0,437 |
| **GB32** | -1,027 | -0,672 | -0,322 | -0,847 | -0,015 | 0,508 |
| **GB33** | -0,510 | -0,672 | -0,828 | 0,176 | 0,491 | -0,008 |
| **GB34** | -0,550 | -2,259 | 0,108 | -0,799 | -2,031 | -1,555 |
| **GB35** | -0,191 | -1,405 | -0,931 | 0,598 | -0,138 | -1,060 |
| **GB36** | -0,341 | -0,627 | -0,785 | 0,303 | 0,494 | -0,132 |
| **GB37** | 0,464 | -0,481 | 0,146 | 0,177 | -0,291 | -0,791 |
| **GB38** | 0,363 | -0,641 | 0,060 | 0,162 | -0,366 | -0,851 |
| **GB39** | -0,668 | -0,572 | 0,045 | -0,855 | -0,282 | 0,249 |
| **GB40** | -0,182 | -0,612 | -0,301 | -0,023 | 0,024 | -0,277 |
| **GB41** | -0,969 | -0,612 | -0,993 | -0,118 | 0,716 | 0,510 |
| **GB42** | -0,425 | -0,548 | -0,336 | -0,230 | 0,124 | 0,031 |
| **GB43** | 0,255 | -0,761 | -0,039 | 0,152 | -0,387 | -0,863 |
| **GB44** | 0,682 | -0,641 | -0,301 | 0,841 | -0,005 | -1,169 |
| **GB45** | 0,301 | -0,536 | -0,215 | 0,374 | 0,015 | -0,683 |
| **GB46** | 0,047 | -0,414 | -0,400 | 0,305 | 0,321 | -0,307 |
| **GB47** | 0,440 | -0,423 | 0,243 | 0,055 | -0,330 | -0,708 |
| **GB48** | 0,553 | -0,070 | -0,464 | 0,875 | 0,729 | -0,469 |
| **GB49** | 0,363 | -0,585 | -0,785 | 1,007 | 0,535 | -0,795 |
| **GB50** | 0,286 | -0,672 | -0,765 | 0,909 | 0,428 | -0,805 |
| **DE1** | -0,027 | -2,259 | -0,877 | 0,708 | -1,047 | -2,078 |
| **DE2** | -0,510 | -0,689 | -2,107 | 1,455 | 1,754 | -0,025 |
| **DE3** | 0,096 | -0,689 | -1,630 | 1,585 | 1,277 | -0,631 |
| **DE4** | 0,014 | -0,706 | -0,070 | -0,058 | -0,301 | -0,567 |
| **DE5** | -0,341 | -0,672 | -1,262 | 0,780 | 0,925 | -0,178 |
| **DE6** | 0,036 | -0,706 | -0,660 | 0,555 | 0,290 | -0,589 |
| **DE7** | -0,259 | -0,724 | -0,444 | 0,043 | 0,056 | -0,311 |
| **DE8** | 0,062 | -0,873 | -0,931 | 0,852 | 0,393 | -0,782 |
| **DE9** | 0,315 | -0,873 | -0,359 | 0,533 | -0,179 | -1,035 |
| **DE11** | 0,207 | -0,174 | 0,682 | -0,617 | -0,521 | -0,228 |
| **DE12** | -0,087 | -0,585 | -0,134 | -0,095 | -0,116 | -0,345 |
| **DE13** | 0,454 | -0,572 | 0,097 | 0,216 | -0,334 | -0,873 |
| **DE14** | 0,307 | -0,572 | -0,391 | 0,556 | 0,154 | -0,725 |
| **DE15** | 0,298 | -0,560 | -0,099 | 0,255 | -0,126 | -0,704 |
| **DE16** | 0,307 | -0,849 | -0,426 | 0,591 | -0,087 | -1,002 |
| **DE17** | 0,277 | -0,627 | -0,199 | 0,334 | -0,093 | -0,750 |
| **DE18** | 0,268 | -0,524 | 0,113 | 0,013 | -0,302 | -0,638 |
| **DE19** | -0,073 | -0,548 | 0,326 | -0,540 | -0,538 | -0,321 |
| **DE20** | 0,196 | -0,423 | -0,288 | 0,342 | 0,200 | -0,465 |
| **DE21** | 0,062 | -0,599 | -0,221 | 0,141 | -0,043 | -0,507 |
| **DE22** | 0,173 | -0,599 | -0,426 | 0,457 | 0,163 | -0,618 |
| **DE23** | 0,067 | -0,706 | -0,329 | 0,255 | -0,041 | -0,620 |
| **DE24** | 0,797 | -1,627 | 0,133 | 0,522 | -1,425 | -2,270 |
| **DE26** | 0,003 | -0,689 | -0,539 | 0,400 | 0,186 | -0,538 |
| **DE27** | -0,140 | -0,641 | -0,238 | -0,044 | -0,068 | -0,348 |
| **DE28** | 0,218 | -0,627 | 0,033 | 0,043 | -0,324 | -0,691 |
| **DE29** | 0,181 | -0,689 | -1,107 | 1,146 | 0,754 | -0,716 |
| **DE30** | 0,169 | -0,689 | -0,199 | 0,226 | -0,155 | -0,704 |
| **DE31** | -0,239 | -0,689 | -0,288 | -0,093 | -0,066 | -0,296 |
| **DE32** | 0,203 | -0,873 | -0,745 | 0,807 | 0,207 | -0,923 |
| **DE33** | 0,136 | -0,724 | -0,262 | 0,257 | -0,126 | -0,706 |
| **DE34** | 0,211 | -0,612 | -0,032 | 0,101 | -0,245 | -0,669 |
| **DE35** | -0,087 | -0,689 | -0,645 | 0,416 | 0,291 | -0,448 |
| **DE37** | 0,258 | -0,536 | -0,383 | 0,499 | 0,183 | -0,640 |
| **DE38** | 0,280 | -0,502 | 0,499 | -0,361 | -0,666 | -0,628 |
| **DE39** | -0,642 | -0,706 | -1,806 | 1,023 | 1,436 | 0,090 |
| **DE40** | 0,185 | -0,599 | -0,024 | 0,067 | -0,239 | -0,630 |
| **DE41** | -0,040 | -0,585 | -0,120 | -0,061 | -0,129 | -0,392 |
| **DE42** | 0,047 | -2,259 | -0,168 | 0,073 | -1,756 | -2,152 |
| **DE43** | 0,238 | -0,641 | -0,494 | 0,591 | 0,188 | -0,726 |
| **DE44** | -0,003 | -0,627 | -0,444 | 0,300 | 0,153 | -0,470 |
| **DE45** | 0,003 | -0,548 | -0,474 | 0,335 | 0,262 | -0,397 |
| **DE46** | 0,145 | -0,396 | 0,045 | -0,042 | -0,106 | -0,387 |
| **DE47** | 0,025 | -0,388 | 0,155 | -0,272 | -0,208 | -0,260 |
| **DE48** | -0,021 | -1,627 | -0,094 | -0,068 | -1,197 | -1,452 |
| **DE49** | -1,094 | -0,657 | -0,375 | -0,861 | 0,054 | 0,591 |
| **DE50** | -0,617 | -0,641 | -1,408 | 0,650 | 1,102 | 0,129 |
| **FR1** | -0,550 | -1,803 | -0,074 | -0,618 | -1,394 | -1,099 |
| **FR2** | -0,395 | 0,048 | -0,505 | -0,032 | 0,889 | 0,597 |
| **FR3** | -0,642 | -0,572 | -0,183 | -0,601 | -0,054 | 0,223 |
| **FR4** | -0,441 | -0,524 | 0,036 | -0,618 | -0,224 | 0,070 |
| **FR5** | -0,793 | -0,849 | -0,408 | -0,526 | -0,105 | 0,098 |
| **FR6** | -0,758 | -1,150 | -0,062 | -0,838 | -0,752 | -0,238 |
| **FR7** | -0,918 | -0,641 | -0,464 | -0,596 | 0,158 | 0,430 |
| **FR8** | -0,292 | -0,627 | -0,391 | -0,043 | 0,100 | -0,181 |
| **FR9** | -0,249 | -0,585 | -0,454 | 0,063 | 0,204 | -0,183 |
| **FR10** | -0,316 | -0,627 | -0,709 | 0,252 | 0,418 | -0,157 |
| **FR11** | -0,668 | -0,548 | -0,563 | -0,247 | 0,351 | 0,274 |
| **FR12** | -0,341 | -0,572 | 0,075 | -0,557 | -0,312 | -0,078 |
| **FR13** | -0,367 | -0,599 | -0,294 | -0,214 | 0,031 | -0,078 |
| **FR14** | -0,200 | -2,259 | 0,126 | -0,468 | -2,049 | -1,905 |
| **FR15** | -0,492 | -0,641 | -0,444 | -0,189 | 0,138 | 0,004 |
| **FR16** | -1,173 | -0,627 | 0,133 | -1,448 | -0,425 | 0,700 |
| **FR17** | -0,793 | -0,612 | 0,148 | -1,083 | -0,425 | 0,334 |
| **FR18** | -0,642 | -0,432 | -0,163 | -0,621 | 0,066 | 0,364 |
| **FR19** | -0,229 | -0,396 | 0,051 | -0,422 | -0,112 | -0,014 |
| **FR20** | -0,182 | -0,612 | -0,244 | -0,080 | -0,033 | -0,277 |
| **FR21** | -0,381 | -0,761 | -0,308 | -0,215 | -0,118 | -0,227 |
| **FR22** | -0,304 | -1,627 | -0,268 | -0,177 | -1,023 | -1,169 |
| **FR23** | -0,642 | -0,672 | -1,107 | 0,324 | 0,770 | 0,123 |
| **FR24** | -0,474 | -0,641 | -1,066 | 0,450 | 0,760 | -0,014 |
| **FR25** | -0,831 | -0,548 | 0,527 | -1,500 | -0,739 | 0,437 |
| **FR26** | -1,027 | -0,641 | 0,089 | -1,258 | -0,395 | 0,539 |
| **FR27** | -1,094 | -0,672 | -0,877 | -0,359 | 0,540 | 0,575 |
| **FR28** | -0,872 | -0,782 | -0,153 | -0,861 | -0,293 | 0,244 |
| **FR29** | -0,281 | -0,414 | -0,193 | -0,229 | 0,115 | 0,021 |
| **FR30** | -0,492 | -0,414 | 0,116 | -0,749 | -0,194 | 0,232 |
| **FR31** | -0,474 | -0,396 | -0,116 | -0,500 | 0,055 | 0,232 |
| **FR32** | -0,292 | -0,481 | -0,078 | -0,356 | -0,067 | -0,035 |
| **FR33** | -0,696 | -0,599 | 0,150 | -0,988 | -0,414 | 0,251 |
| **FR34** | -0,341 | -0,481 | 0,198 | -0,681 | -0,343 | 0,014 |
| **FR35** | -0,550 | -0,451 | 0,211 | -0,903 | -0,326 | 0,253 |
| **FR36** | -0,474 | -1,326 | -0,226 | -0,390 | -0,764 | -0,698 |
| **FR37** | -0,642 | -0,599 | -0,268 | -0,515 | 0,005 | 0,197 |
| **FR38** | -0,758 | -0,524 | -0,367 | -0,533 | 0,178 | 0,388 |
| **FR39** | -0,474 | -0,318 | 0,761 | -1,377 | -0,745 | 0,309 |
| **FR40** | -0,425 | -0,524 | -0,281 | -0,286 | 0,092 | 0,055 |
| **FR41** | -0,969 | -0,513 | -0,464 | -0,647 | 0,286 | 0,610 |
| **FR42** | -0,182 | -0,460 | 0,138 | -0,462 | -0,263 | -0,125 |
| **FR43** | -0,593 | -0,706 | -0,474 | -0,261 | 0,103 | 0,041 |
| **FR44** | -0,492 | -2,259 | -0,204 | -0,430 | -1,719 | -1,613 |
| **FR45** | -0,410 | -0,548 | -0,086 | -0,466 | -0,126 | 0,016 |
| **FR46** | -0,474 | -0,612 | 0,211 | -0,827 | -0,488 | 0,015 |
| **FR47** | -0,918 | -0,641 | -0,288 | -0,772 | -0,018 | 0,430 |
| **FR48** | -0,758 | -0,612 | -0,329 | -0,571 | 0,052 | 0,299 |
| **FR49** | -0,872 | -0,612 | -0,676 | -0,338 | 0,399 | 0,413 |
| **FR50** | -0,642 | -0,441 | 0,020 | -0,803 | -0,126 | 0,354 |
| **DK1** | -0,094 | -0,536 | 0,337 | -0,573 | -0,537 | -0,288 |
| **DK2** | -0,354 | -2,259 | 0,128 | -0,624 | -2,052 | -1,751 |
| **DK3** | -0,571 | -0,572 | -0,505 | -0,208 | 0,268 | 0,152 |
| **DK4** | -0,219 | -0,451 | -0,099 | -0,262 | -0,017 | -0,078 |
| **DK5** | -0,109 | -0,513 | 0,042 | -0,293 | -0,219 | -0,250 |
| **DK6** | -0,304 | -0,491 | 0,153 | -0,599 | -0,309 | -0,033 |
| **DK7** | -0,642 | -0,612 | -0,474 | -0,310 | 0,197 | 0,183 |
| **DK8** | -0,668 | -2,259 | -0,238 | -0,572 | -1,685 | -1,437 |
| **DK9** | -0,530 | -0,548 | 0,211 | -0,882 | -0,423 | 0,136 |
| **DK10** | -0,872 | -0,627 | -0,563 | -0,451 | 0,272 | 0,399 |
| **DK11** | -0,617 | -0,572 | 0,185 | -0,944 | -0,422 | 0,198 |
| **DK12** | -0,156 | -0,502 | 0,183 | -0,481 | -0,349 | -0,192 |
| **DK13** | -0,441 | -0,536 | -0,014 | -0,569 | -0,186 | 0,059 |
| **DK14** | -0,316 | -0,460 | 0,685 | -1,143 | -0,810 | 0,009 |
| **DK15** | -0,367 | -0,388 | 0,138 | -0,647 | -0,191 | 0,133 |
| **DK16** | -0,530 | -0,641 | 0,000 | -0,671 | -0,306 | 0,042 |
| **DK17** | -0,094 | -0,689 | 0,554 | -0,789 | -0,907 | -0,441 |
| **DK18** | -0,132 | -0,423 | 0,508 | -0,781 | -0,595 | -0,137 |
| **DK19** | -0,425 | -0,451 | 0,282 | -0,849 | -0,397 | 0,128 |
| **DK20** | -0,367 | -0,451 | 0,089 | -0,597 | -0,204 | 0,070 |
| **DK21** | -0,381 | -0,311 | 0,492 | -1,014 | -0,468 | 0,223 |
| **DK22** | -0,354 | -0,441 | 0,562 | -1,058 | -0,668 | 0,066 |
| **DK23** | -0,457 | -0,491 | 0,628 | -1,227 | -0,784 | 0,120 |
| **DK24** | -0,530 | -0,441 | -0,262 | -0,409 | 0,156 | 0,242 |
| **DK25** | -0,969 | -2,259 | -0,215 | -0,896 | -1,708 | -1,136 |
| **DK26** | -0,918 | -0,627 | 0,155 | -1,215 | -0,447 | 0,445 |
| **DK27** | -0,969 | -0,572 | 0,036 | -1,147 | -0,273 | 0,550 |
| **DK28** | -0,441 | -0,524 | 0,198 | -0,781 | -0,387 | 0,070 |
| **DK29** | -0,316 | -0,572 | 0,392 | -0,850 | -0,629 | -0,103 |
| **DK30** | -0,316 | -0,548 | -0,444 | -0,013 | 0,232 | -0,078 |
| **DK31** | -0,696 | -0,585 | 0,141 | -0,979 | -0,391 | 0,264 |
| **DK32** | -0,642 | -0,706 | 0,094 | -0,878 | -0,465 | 0,090 |
| **DK33** | -0,726 | -1,201 | 0,556 | -1,424 | -1,422 | -0,321 |
| **DK34** | -0,003 | -0,548 | 0,515 | -0,660 | -0,727 | -0,391 |
| **DK35** | -0,259 | -0,451 | -0,074 | -0,327 | -0,041 | -0,038 |
| **DK36** | -0,530 | -0,524 | 0,615 | -1,286 | -0,803 | 0,159 |
| **DK37** | -0,341 | -0,460 | 0,205 | -0,687 | -0,330 | 0,034 |
| **DK38** | -0,571 | -0,304 | -0,244 | -0,469 | 0,275 | 0,420 |
| **DK39** | 0,245 | -0,928 | -0,344 | 0,447 | -0,249 | -1,019 |
| **DK40** | 0,101 | -0,641 | -0,148 | 0,107 | -0,158 | -0,589 |
| **DK41** | 0,425 | -0,432 | 0,340 | -0,057 | -0,436 | -0,703 |
| **DK42** | 0,238 | -0,113 | 0,801 | -0,704 | -0,578 | -0,197 |
| **DK43** | 0,468 | 0,243 | 0,072 | 0,255 | 0,506 | -0,072 |
| **DK44** | 0,271 | -0,481 | 0,264 | -0,135 | -0,409 | -0,598 |
| **DK45** | 0,189 | -0,524 | -0,367 | 0,414 | 0,178 | -0,559 |
| **DK46** | 0,218 | -0,706 | -0,281 | 0,357 | -0,089 | -0,770 |
| **DK47** | 0,245 | -1,803 | -0,484 | 0,587 | -0,983 | -1,894 |
| **DK48** | 0,508 | -0,560 | -0,017 | 0,384 | -0,207 | -0,914 |
| **DK49** | 0,456 | -0,380 | 0,013 | 0,301 | -0,058 | -0,682 |
| **DK50** | 0,450 | 0,003 | -0,262 | 0,570 | 0,601 | -0,293 |
| **PL1** | 0,252 | -0,585 | -0,043 | 0,153 | -0,207 | -0,683 |
| **PL2** | 0,313 | -0,513 | -0,139 | 0,309 | -0,039 | -0,672 |
| **PL3** | 0,499 | -0,388 | 0,030 | 0,328 | -0,082 | -0,733 |
| **PL4** | 0,014 | -0,742 | -0,268 | 0,141 | -0,138 | -0,603 |
| **PL5** | 0,633 | -2,259 | -0,308 | 0,799 | -1,615 | -2,738 |
| **PL6** | 0,671 | -0,524 | 0,392 | 0,136 | -0,581 | -1,041 |
| **PL7** | 0,165 | -0,502 | -0,035 | 0,059 | -0,131 | -0,513 |
| **PL8** | 0,683 | -0,311 | 0,189 | 0,352 | -0,166 | -0,841 |
| **PL9** | 0,493 | 0,072 | 0,335 | 0,016 | 0,072 | -0,267 |
| **PL10** | 0,280 | -0,585 | 0,054 | 0,084 | -0,304 | -0,712 |
| **PL11** | 0,926 | -0,599 | -0,344 | 1,128 | 0,080 | -1,371 |
| **PL12** | -0,109 | -0,585 | -0,032 | -0,219 | -0,218 | -0,323 |
| **PL13** | 0,549 | -2,259 | 0,143 | 0,264 | -2,067 | -2,654 |
| **PL14** | -0,080 | -0,742 | -0,199 | -0,023 | -0,208 | -0,509 |
| **PL15** | -0,140 | -0,724 | -0,828 | 0,547 | 0,440 | -0,430 |
| **PL16** | 0,238 | -0,585 | -0,007 | 0,104 | -0,243 | -0,670 |
| **PL17** | 0,373 | -0,599 | 0,023 | 0,208 | -0,286 | -0,818 |
| **PL18** | 0,310 | -0,612 | 0,102 | 0,066 | -0,379 | -0,768 |
| **PL19** | 0,203 | -0,548 | -0,294 | 0,356 | 0,082 | -0,597 |
| **PL20** | 0,687 | -0,185 | 0,057 | 0,488 | 0,093 | -0,718 |
| **PL21** | 0,363 | -0,548 | -0,107 | 0,329 | -0,105 | -0,757 |
| **PL22** | 0,101 | -0,585 | -0,344 | 0,303 | 0,094 | -0,533 |
| **PL23** | 0,669 | -0,441 | -0,400 | 0,927 | 0,294 | -0,957 |
| **PL24** | 0,072 | -0,078 | -0,099 | 0,029 | 0,355 | 0,003 |
| **PL25** | 0,072 | -0,599 | -0,852 | 0,783 | 0,589 | -0,517 |
| **PL26** | -0,033 | -0,536 | 0,039 | -0,214 | -0,239 | -0,349 |
| **PL27** | 0,181 | -0,641 | 0,066 | -0,027 | -0,372 | -0,669 |
| **PL28** | 0,218 | -0,536 | 0,219 | -0,143 | -0,419 | -0,600 |
| **PL29** | -0,328 | -0,599 | -0,563 | 0,093 | 0,300 | -0,117 |
| **PL30** | 0,528 | -0,599 | -0,215 | 0,601 | -0,048 | -0,973 |
| **PL31** | 0,577 | -0,223 | 0,584 | -0,149 | -0,472 | -0,646 |
| **PL32** | 0,072 | -0,253 | -0,435 | 0,366 | 0,518 | -0,171 |
| **PL33** | 0,749 | -0,388 | -0,014 | 0,621 | -0,039 | -0,983 |
| **PL34** | 0,261 | -0,657 | 0,502 | -0,383 | -0,824 | -0,764 |
| **PL35** | -0,046 | -1,405 | -0,028 | -0,160 | -1,041 | -1,205 |
| **PL36** | 0,337 | -0,641 | 0,456 | -0,261 | -0,762 | -0,825 |
| **PL37** | 0,812 | -0,612 | -0,692 | 1,362 | 0,415 | -1,271 |
| **PL38** | -0,033 | -0,627 | -0,645 | 0,470 | 0,353 | -0,440 |
| **PL39** | 0,062 | -0,524 | -0,344 | 0,264 | 0,155 | -0,433 |
| **PL40** | 0,009 | -0,672 | -0,464 | 0,331 | 0,127 | -0,527 |
| **PL41** | 0,435 | -0,599 | 0,187 | 0,106 | -0,451 | -0,880 |
| **PL42** | 0,605 | -0,599 | 0,155 | 0,308 | -0,419 | -1,050 |
| **PL43** | 0,420 | -0,849 | 0,063 | 0,215 | -0,576 | -1,115 |
| **PL44** | 0,697 | -0,414 | -0,070 | 0,625 | -0,008 | -0,957 |
| **PL45** | 0,025 | -0,627 | -0,400 | 0,283 | 0,108 | -0,498 |
| **PL46** | 0,366 | -0,396 | 0,569 | -0,344 | -0,629 | -0,608 |
| **PL47** | 0,416 | -0,380 | 0,167 | 0,107 | -0,211 | -0,642 |
| **PL48** | 0,440 | -0,560 | 0,072 | 0,226 | -0,296 | -0,846 |
| **PL49** | 0,657 | -1,502 | 0,360 | 0,155 | -1,526 | -2,005 |
| **PL50** | 0,887 | -2,259 | -0,351 | 1,096 | -1,572 | -2,992 |
| **PT 1** | 0,175 | -0,024 | 0,773 | -0,740 | -0,462 | -0,045 |
| **PT 2** | -0,011 | -0,241 | 0,223 | -0,376 | -0,129 | -0,077 |
| **PT 3** | -0,508 | -0,346 | 0,348 | -0,998 | -0,359 | 0,316 |
| **PT 4** | 0,040 | -0,279 | 0,356 | -0,458 | -0,299 | -0,165 |
| **PT 5** | 0,411 | -0,251 | 0,954 | -0,684 | -0,869 | -0,509 |
| **PT 6** | 0,609 | -0,271 | 1,239 | -0,772 | -1,174 | -0,726 |
| **PT 7** | 0,418 | -0,144 | 0,663 | -0,386 | -0,472 | -0,409 |
| **PT 8** | -0,287 | -0,415 | 0,221 | -0,650 | -0,301 | 0,026 |
| **PT 9** | -0,069 | -0,191 | 0,542 | -0,753 | -0,398 | 0,032 |
| **PT 10** | 0,335 | 0,211 | 0,322 | -0,129 | 0,224 | 0,029 |
| **PT 11** | 0,069 | -0,521 | 0,478 | -0,550 | -0,664 | -0,437 |
| **PT 12** | -0,073 | -0,429 | 0,375 | -0,590 | -0,468 | -0,202 |
| **PT 13** | 0,025 | 0,193 | 0,713 | -0,829 | -0,185 | 0,321 |
| **PT 14** | -0,321 | -0,782 | 0,270 | -0,733 | -0,717 | -0,307 |
| **PT 15** | -0,403 | -0,150 | 0,175 | -0,720 | 0,011 | 0,407 |
| **PT 16** | -0,376 | -0,073 | 0,595 | -1,113 | -0,333 | 0,457 |
| **PT 17** | 0,163 | -0,611 | 0,294 | -0,272 | -0,569 | -0,620 |
| **PT 18** | -0,161 | -0,194 | 0,106 | -0,408 | 0,035 | 0,120 |
| **PT 19** | -0,496 | -0,427 | 0,422 | -1,060 | -0,514 | 0,223 |
| **PT 20** | -0,303 | -0,234 | 1,205 | -1,650 | -1,104 | 0,222 |
| **PT 21** | -0,280 | -0,482 | 0,111 | -0,533 | -0,258 | -0,048 |
| **PT 22** | -0,206 | -0,246 | 0,775 | -1,123 | -0,686 | 0,114 |
| **PT 23** | -0,334 | -0,548 | 0,371 | -0,847 | -0,584 | -0,061 |
| **PT 24** | -0,253 | -0,284 | 0,773 | -1,167 | -0,721 | 0,123 |
| **PT 25** | -0,747 | -0,616 | 0,772 | -1,661 | -1,053 | 0,285 |
| **PT 26** | -0,449 | -0,808 | 0,727 | -1,318 | -1,199 | -0,205 |
| **PT 27** | 0,163 | 0,228 | 1,293 | -1,271 | -0,730 | 0,218 |
| **PT 28** | -0,723 | -0,237 | 1,050 | -1,914 | -0,951 | 0,640 |
| **PT 29** | -0,015 | -0,626 | 0,480 | -0,637 | -0,770 | -0,457 |
| **PT 30** | 1,373 | 1,840 | 1,121 | 0,110 | 1,054 | 0,621 |
| **PT 31** | -0,143 | -0,378 | 0,923 | -1,208 | -0,965 | -0,081 |
| **PT 32** | -0,057 | -0,337 | 0,649 | -0,848 | -0,651 | -0,127 |
| **PT 33** | -0,213 | -0,290 | -0,175 | -0,179 | 0,220 | 0,076 |
| **PT 34** | 0,807 | 0,063 | 0,712 | -0,047 | -0,314 | -0,591 |
| **PT 35** | -0,283 | -0,295 | 0,142 | -0,566 | -0,101 | 0,142 |
| **PT 36** | 0,121 | -0,837 | 1,034 | -1,055 | -1,535 | -0,804 |
| **PT 37** | -0,079 | -0,254 | 0,227 | -0,448 | -0,146 | -0,022 |
| **PT 38** | 0,310 | -0,366 | 0,824 | -0,656 | -0,854 | -0,522 |
| **PT 39** | 0,195 | -0,121 | 1,314 | -1,261 | -1,100 | -0,162 |
| **PT 40** | 0,014 | -0,501 | 0,532 | -0,660 | -0,697 | -0,361 |
| **PT 41** | -0,004 | -0,558 | 0,337 | -0,483 | -0,560 | -0,401 |
| **PT 42** | 0,112 | -0,490 | 0,367 | -0,397 | -0,522 | -0,448 |
| **PT 43** | -0,407 | -0,063 | 0,671 | -1,220 | -0,398 | 0,498 |
| **PT 44** | 0,065 | -0,640 | 0,899 | -0,977 | -1,204 | -0,551 |
| **PT 45** | 0,201 | 0,022 | 0,501 | -0,442 | -0,144 | -0,025 |
| **PT 46** | -0,034 | -0,037 | 0,344 | -0,519 | -0,045 | 0,151 |
| **PT 47** | -0,351 | -0,576 | 0,003 | -0,497 | -0,244 | -0,071 |
| **PT 48** | 0,112 | -0,215 | 1,449 | -1,479 | -1,329 | -0,173 |
| **PT 49** | 0,367 | -0,259 | 0,595 | -0,369 | -0,519 | -0,473 |
| **PT 50** | -0,309 | 0,131 | 0,526 | -0,977 | -0,059 | 0,594 |

Table S10. Cohen’s k coefficient (k) for the individual antigens, ratios and scores**.** Cohen’s kappa (k) coefficient was used to assess the agreement beyond chance between the individual antigens and scores in control groups (CanL+ and CanL-). The level of agreement based on k was interpreted according to the following assumptions: < 0.2 = slight; 0.2–0.4 = fair; 0.4–0.6 = moderate; 0.6–0.8 = substantial; >0.8 = almost perfect agreement [27]. Analyses were performed using irr package in the R software (R 2.15.1) (R Development Core Team, 2012).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | SPLA  "1" > 0.074 | rK39  "1" > 0.127 | Log (SPLA/SECA)  "1" > 0 | Log (rK39/SECA)  "1" > 0 | Log (rK39/ SPLA)  "1" > 0 | Score = 5 | Score ≥ 4 | Score ≥ 3 | Score ≥ 2 | Score ≥ 1 | Score = 0 | | SPLA  "1" > 0.074 | 1 | 0,924 | 0,836 | 0,824 | 0,484 | 0.854 | 0.953 | 0.953 | 0.985 | 0.514 | -0.531 | | rK39  "1" > 0.127 | 0,924 | 1 | 0,792 | 0,84 | 0,498 | 0.839 | 0.938 | 0.938 | 0.939 | 0.502 | -0.518 | | Log (SPLA/SECA) "1" > 0 | 0,836 | 0,792 | 1 | 0,755 | 0,397 | 0.810 | 0.848 | 0.848 | 0.850 | 0.549 | -0.566 | | Log (rK39/SECA) "1" > 0 | 0,824 | 0,84 | 0,755 | 1 | 0,592 | 0.769 | 0.866 | 0.866 | 0.838 | 0.584 | -0.601 | | Log (rK39/SPLA) "1" > 0 | 0,484 | 0,498 | 0,397 | 0,592 | 1 | 0.541 | 0.520 | 0.520 | 0.496 | 0.820 | -0.829 | | Score = 5 | 0.854 | 0.839 | 0.810 | 0.769 | 0.541 | 1 | 0.900 | 0.900 | 0.869 | 0.410 | -0.427 | | Score ≥ 4 | 0.953 | 0.938 | 0.848 | 0.866 | 0.520 | 0.900 | 1 | 1.000 | 0.969 | 0.479 | -0.497 | | Score ≥ 3 | 0.953 | 0.938 | 0.848 | 0.866 | 0.520 | 0.900 | 1.000 | 1 | 0.969 | 0.479 | -0.497 | | Score ≥ 2 | 0.985 | 0.939 | 0.850 | 0.838 | 0.496 | 0.869 | 0.969 | 0.969 | 1 | 0.502 | -0.520 | | Score ≥ 1 | 0.514 | 0.502 | 0.549 | 0.584 | 0.820 | 0.410 | 0.479 | 0.479 | 0.502 | 1 | -0.997 | | Score = 0 | -0.531 | -0.518 | -0.566 | -0.601 | -0.829 | -0.427 | -0.497 | -0.497 | -0.520 | -0.997 | 1 | |

Table S11. Optical densities normalized by the cut-off inferred by ROC curves for each antigen (SPLA, rK39 and SECA) in the three cohorts of study: CanL+, CanL- and Europe (HU-Hungary, NL-the Netherlands, UK-United Kingdom, DE-Germany, FR-France, DK-Denmark, PL-Poland and PT-Portugal).

|  |  |  |  |
| --- | --- | --- | --- |
| Sample | Antigen | | |
|  | **SPLA** | **rK39** | **SECA** |
| **Canl+ 1** | 5,923 | 13,909 | 1,551 |
| **Canl+ 2** | 2,162 | 4,014 | 0,565 |
| **Canl+ 3** | 9,287 | 45,898 | 1,036 |
| **Canl+ 4** | 6,299 | 2,098 | 19,180 |
| **Canl+ 5** | 7,012 | 1,969 | 1,009 |
| **Canl+ 6** | 1,281 | 10,611 | 0,694 |
| **Canl+ 7** | 10,018 | 1,565 | 1,302 |
| **Canl+ 8** | 8,147 | 13,499 | 1,215 |
| **Canl+ 9** | 2,050 | 2,394 | 3,990 |
| **Canl+ 10** | 8,730 | 2,018 | 3,742 |
| **Canl+ 11** | 10,653 | 8,133 | 1,215 |
| **Canl+ 12** | 23,480 | 135,906 | 1,098 |
| **Canl+ 13** | 11,737 | 49,657 | 1,527 |
| **Canl+ 14** | 9,596 | 25,718 | 2,574 |
| **Canl+ 15** | 15,279 | 206,921 | 1,074 |
| **Canl+ 16** | 1,525 | 38,437 | 0,495 |
| **Canl+ 17** | 12,829 | 87,827 | 0,900 |
| **Canl+ 18** | 1,267 | 39,134 | 0,724 |
| **Canl+ 19** | 2,705 | 40,865 | 1,316 |
| **Canl+ 20** | 16,674 | 12,028 | 3,165 |
| **Canl+ 21** | 11,979 | 190,694 | 7,544 |
| **Canl+ 22** | 5,426 | 25,564 | 0,990 |
| **Canl+ 23** | 25,692 | 91,639 | 3,431 |
| **Canl+ 24** | 30,896 | 29,434 | 3,645 |
| **Canl+ 25** | 10,240 | 23,535 | 1,445 |
| **Canl+ 26** | 2,422 | 3,698 | 0,671 |
| **Canl+ 27** | 25,173 | 25,759 | 2,132 |
| **Canl+ 28** | 27,209 | 159,593 | 2,581 |
| **Canl+ 29** | 20,361 | 124,703 | 2,398 |
| **CanL- 1** | 0,558 | 0,064 | 0,754 |
| **CanL- 2** | 0,444 | 0,075 | 2,081 |
| **CanL- 3** | 0,381 | 0,155 | 0,566 |
| **CanL- 4** | 0,359 | 0,102 | 1,863 |
| **CanL- 5** | 0,538 | 0,101 | 1,169 |
| **CanL- 6** | 0,402 | 0,028 | 0,553 |
| **CanL- 7** | 0,406 | 0,098 | 1,427 |
| **CanL- 8** | 0,464 | 0,147 | 0,604 |
| **CanL- 9** | 0,493 | 0,110 | 0,689 |
| **CanL- 10** | 0,426 | 0,012 | 0,367 |
| **CanL- 11** | 0,360 | 0,039 | 0,353 |
| **CanL- 12** | 0,452 | 0,136 | 1,001 |
| **CanL- 13** | 0,389 | 0,021 | 0,734 |
| **CanL- 14** | 0,443 | 0,042 | 0,995 |
| **CanL- 15** | 0,414 | 0,108 | 0,350 |
| **CanL- 16** | 0,387 | 0,080 | 1,628 |
| **CanL- 17** | 0,416 | 0,021 | 0,126 |
| **CanL- 18** | 0,528 | 0,219 | 1,264 |
| **CanL- 19** | 0,374 | 0,047 | 0,848 |
| **CanL- 20** | 0,519 | 0,041 | 0,598 |
| **CanL- 21** | 0,398 | 0,047 | 1,085 |
| **CanL- 22** | 0,416 | 0,028 | 1,398 |
| **CanL- 23** | 0,416 | 0,060 | 0,615 |
| **CanL- 24** | 0,485 | 0,025 | 0,294 |
| **CanL- 25** | 0,479 | 0,028 | 0,611 |
| **CanL- 26** | 0,425 | 0,118 | 0,688 |
| **CanL- 27** | 0,407 | 0,019 | 0,641 |
| **CanL- 28** | 0,454 | 0,058 | 1,861 |
| **CanL- 29** | 0,740 | 0,433 | 0,632 |
| **CanL- 30** | 0,045 | 0,011 | 0,777 |
| **CanL- 31** | 0,016 | 0,022 | 1,325 |
| **CanL- 32** | 0,016 | 0,007 | 0,645 |
| **CanL- 33** | 0,034 | 0,036 | 0,829 |
| **CanL- 34** | 0,007 | 0,078 | 0,627 |
| **CanL- 35** | 0,065 | 0,172 | 1,570 |
| **CanL- 36** | 0,011 | 0,151 | 0,236 |
| **CanL- 37** | 0,040 | 0,026 | 1,232 |
| **CanL- 38** | 0,011 | 0,007 | 0,622 |
| **CanL- 39** | 0,011 | 0,007 | 5,094 |
| **CanL- 40** | 0,011 | 0,240 | 0,312 |
| **CanL- 41** | 0,353 | 0,063 | 2,424 |
| **CanL- 42** | 0,058 | 0,007 | 0,449 |
| **CanL- 43** | 0,177 | 0,140 | 2,824 |
| **CanL- 44** | 0,152 | 0,102 | 1,311 |
| **CanL- 45** | 0,130 | 0,005 | 0,970 |
| **CanL- 46** | 0,222 | 0,013 | 2,116 |
| **CanL- 47** | 0,221 | 0,020 | 1,439 |
| **CanL- 48** | 0,069 | 0,025 | 3,015 |
| **CanL- 49** | 0,213 | 0,041 | 1,122 |
| **CanL- 50** | 0,354 | 0,007 | 0,792 |
| **CanL- 51** | 0,130 | 0,005 | 0,602 |
| **CanL- 52** | 0,074 | 0,007 | 0,346 |
| **CanL- 53** | 0,134 | 0,058 | 0,816 |
| **CanL- 54** | 0,029 | 0,007 | 1,212 |
| **CanL- 55** | 0,079 | 0,016 | 0,820 |
| **CanL- 56** | 0,202 | 0,047 | 0,874 |
| **CanL- 57** | 0,132 | 0,019 | 0,307 |
| **CanL- 58** | 0,067 | 0,026 | 1,550 |
| **CanL- 59** | 0,327 | 0,052 | 1,324 |
| **CanL- 60** | 0,175 | 0,014 | 0,973 |
| **CanL- 61** | 0,112 | 0,010 | 0,976 |
| **CanL- 62** | 0,400 | 0,017 | 1,620 |
| **CanL- 63** | 0,110 | 0,007 | 0,786 |
| **CanL- 64** | 0,154 | 0,038 | 0,818 |
| **CanL- 65** | 0,342 | 0,110 | 0,365 |
| **CanL- 66** | 0,228 | 0,016 | 1,424 |
| **CanL- 67** | 0,255 | 0,015 | 4,627 |
| **CanL- 68** | 0,199 | 0,045 | 0,546 |
| **CanL- 69** | 0,128 | 0,031 | 0,950 |
| **CanL- 70** | 0,092 | 0,245 | 0,912 |
| **CanL- 71** | 0,137 | 0,059 | 0,680 |
| **CanL- 72** | 0,011 | 0,032 | 0,339 |
| **CanL- 73** | 0,025 | 0,027 | 0,780 |
| **CanL- 74** | 0,125 | 0,044 | 0,457 |
| **CanL- 75** | 0,128 | 0,082 | 0,824 |
| **CanL- 76** | 0,052 | 0,031 | 1,770 |
| **CanL- 77** | 0,011 | 0,024 | 0,438 |
| **CanL- 78** | 0,101 | 0,049 | 0,446 |
| **CanL- 79** | 0,011 | 0,031 | 0,653 |
| **CanL- 80** | 0,016 | 0,032 | 0,993 |
| **CanL- 81** | 0,190 | 0,213 | 1,260 |
| **CanL- 82** | 0,038 | 0,144 | 0,564 |
| **CanL- 83** | 0,016 | 0,061 | 0,278 |
| **CanL- 84** | 0,103 | 0,091 | 0,604 |
| **CanL- 85** | 0,215 | 0,096 | 4,579 |
| **CanL- 86** | 0,074 | 0,182 | 0,689 |
| **CanL- 87** | 0,383 | 0,262 | 1,923 |
| **CanL- 88** | 0,322 | 0,241 | 0,735 |
| **CanL- 89** | 0,076 | 0,007 | 0,434 |
| **CanL- 90** | 0,011 | 0,052 | 0,166 |
| **CanL- 91** | 0,244 | 0,009 | 0,215 |
| **CanL- 92** | 0,436 | 0,002 | 0,109 |
| **CanL- 93** | 0,114 | 0,007 | 0,053 |
| **CanL- 94** | 0,224 | 0,029 | 0,525 |
| **CanL- 95** | 0,199 | 0,009 | 0,033 |
| **CanL- 96** | 0,304 | 0,028 | 0,008 |
| **CanL- 97** | 0,027 | 0,002 | 0,240 |
| **CanL- 98** | 0,011 | 0,015 | 1,051 |
| **CanL- 99** | 0,011 | 0,129 | 0,938 |
| **CanL- 100** | 0,023 | 0,049 | 0,128 |
| **CanL- 101** | 0,043 | 0,016 | 1,648 |
| **CanL- 102** | 0,094 | 0,019 | 0,050 |
| **CanL- 103** | 0,011 | 0,007 | 0,096 |
| **CanL- 104** | 0,027 | 0,016 | 0,542 |
| **CanL- 105** | 0,011 | 0,016 | 0,264 |
| **CanL- 106** | 0,011 | 0,014 | 0,119 |
| **CanL- 107** | 0,011 | 0,012 | 0,087 |
| **CanL- 108** | 0,027 | 0,232 | 0,095 |
| **CanL- 109** | 0,011 | 0,007 | 2,279 |
| **CanL- 110** | 0,011 | 0,043 | 0,937 |
| **CanL- 111** | 0,011 | 0,056 | 0,102 |
| **CanL- 112** | 0,011 | 0,001 | 0,059 |
| **CanL- 113** | 0,011 | 0,007 | 0,110 |
| **CanL- 114** | 0,011 | 0,005 | 0,334 |
| **CanL- 115** | 0,011 | 0,010 | 0,104 |
| **CanL- 116** | 0,011 | 0,228 | 0,161 |
| **CanL- 117** | 0,011 | 0,050 | 0,031 |
| **CanL- 118** | 0,011 | 0,003 | 0,042 |
| **CanL- 119** | 0,011 | 0,182 | 0,049 |
| **CanL- 120** | 0,011 | 0,005 | 0,023 |
| **CanL- 121** | 0,007 | 0,003 | 0,045 |
| **HU1** | 1,812 | 0,079 | 0,477 |
| **HU2** | 2,000 | 0,472 | 5,016 |
| **HU3** | 1,383 | 0,457 | 0,641 |
| **HU4** | 2,523 | 0,803 | 1,102 |
| **HU5** | 0,752 | 0,370 | 0,602 |
| **HU6** | 1,799 | 0,006 | 0,758 |
| **HU7** | 0,685 | 0,102 | 0,633 |
| **HU8** | 5,208 | 0,339 | 1,000 |
| **HU9** | 0,456 | 0,087 | 0,461 |
| **HU10** | 1,826 | 0,433 | 0,664 |
| **HU11** | 1,128 | 0,370 | 0,430 |
| **HU12** | 1,812 | 0,339 | 1,008 |
| **HU13** | 1,396 | 0,331 | 0,430 |
| **HU14** | 2,497 | 0,299 | 0,945 |
| **HU15** | 0,470 | 0,283 | 0,398 |
| **HU16** | 1,087 | 0,228 | 0,430 |
| **HU17** | 3,275 | 0,559 | 2,461 |
| **HU18** | 0,336 | 0,252 | 0,672 |
| **HU19** | 1,852 | 0,315 | 0,484 |
| **HU20** | 1,101 | 0,268 | 0,250 |
| **HU21** | 0,416 | 0,480 | 1,969 |
| **HU22** | 0,832 | 0,504 | 0,445 |
| **HU23** | 1,584 | 0,512 | 0,719 |
| **HU24** | 2,215 | 0,276 | 0,586 |
| **HU25** | 1,047 | 0,063 | 0,250 |
| **HU26** | 2,201 | 0,006 | 0,594 |
| **HU27** | 0,510 | 0,315 | 0,547 |
| **HU28** | 0,389 | 0,441 | 0,273 |
| **HU29** | 1,208 | 0,315 | 0,359 |
| **HU30** | 1,007 | 0,276 | 0,461 |
| **HU32** | 1,463 | 0,094 | 0,461 |
| **HU33** | 2,040 | 0,417 | 0,898 |
| **HU35** | 1,785 | 0,291 | 0,336 |
| **HU36** | 0,926 | 0,299 | 0,188 |
| **HU37** | 1,557 | 0,630 | 1,547 |
| **HU38** | 0,779 | 0,354 | 0,719 |
| **HU39** | 0,497 | 0,323 | 0,375 |
| **HU40** | 1,436 | 0,315 | 1,211 |
| **HU41** | 0,993 | 0,094 | 0,719 |
| **HU42** | 0,362 | 0,244 | 0,734 |
| **HU43** | 1,074 | 0,354 | 1,219 |
| **HU44** | 1,208 | 0,299 | 0,617 |
| **HU45** | 1,503 | 0,346 | 0,938 |
| **HU46** | 0,550 | 0,252 | 2,492 |
| **HU47** | 1,490 | 0,346 | 0,695 |
| **HU48** | 3,128 | 0,189 | 0,688 |
| **HU49** | 0,980 | 0,110 | 1,070 |
| **NL3** | 0,564 | 0,283 | 1,172 |
| **NL5** | 0,765 | 0,276 | 1,023 |
| **NL6** | 0,591 | 0,354 | 2,383 |
| **NL7** | 0,591 | 0,252 | 0,531 |
| **NL8** | 0,416 | 0,291 | 0,727 |
| **NL9** | 0,671 | 0,346 | 0,672 |
| **NL10** | 0,913 | 0,228 | 1,539 |
| **NL11** | 0,658 | 0,071 | 0,703 |
| **NL12** | 0,523 | 0,236 | 0,352 |
| **NL13** | 0,228 | 0,252 | 0,297 |
| **NL14** | 1,101 | 0,441 | 0,453 |
| **NL16** | 0,671 | 0,299 | 0,773 |
| **NL17** | 0,470 | 0,291 | 0,234 |
| **NL18** | 0,201 | 0,063 | 0,391 |
| **NL19** | 0,711 | 0,236 | 0,695 |
| **NL20** | 0,228 | 0,228 | 0,203 |
| **NL21** | 0,886 | 0,315 | 0,477 |
| **NL22** | 0,389 | 0,236 | 0,844 |
| **NL23** | 0,510 | 0,307 | 0,391 |
| **NL24** | 1,074 | 0,362 | 5,375 |
| **NL25** | 1,570 | 0,213 | 0,758 |
| **NL26** | 0,523 | 0,110 | 1,578 |
| **NL27** | 0,456 | 0,433 | 0,195 |
| **NL28** | 0,725 | 0,236 | 0,391 |
| **NL30** | 0,215 | 0,236 | 1,750 |
| **NL31** | 0,094 | 0,213 | 0,414 |
| **NL32** | 0,201 | 0,220 | 0,648 |
| **NL33** | 0,107 | 0,244 | 0,219 |
| **NL34** | 0,148 | 0,142 | 0,203 |
| **NL35** | 0,161 | 0,006 | 0,005 |
| **NL37** | 0,336 | 0,220 | 0,234 |
| **NL38** | 0,188 | 0,205 | 0,297 |
| **NL39** | 0,685 | 0,228 | 0,242 |
| **NL40** | 0,940 | 0,220 | 0,336 |
| **NL43** | 0,349 | 0,236 | 0,234 |
| **NL44** | 0,215 | 0,228 | 0,234 |
| **NL45** | 0,497 | 0,181 | 0,258 |
| **NL46** | 0,631 | 0,024 | 0,031 |
| **NL47** | 1,758 | 0,205 | 0,125 |
| **NL48** | 3,221 | 0,228 | 0,023 |
| **NL49** | 2,859 | 0,378 | 0,719 |
| **NL50** | 0,255 | 0,283 | 0,617 |
| **GB1** | 0,617 | 0,354 | 1,211 |
| **GB2** | 1,409 | 0,006 | 0,211 |
| **GB3** | 1,557 | 0,244 | 1,070 |
| **GB4** | 0,980 | 0,268 | 0,180 |
| **GB5** | 0,966 | 0,291 | 0,188 |
| **GB6** | 1,503 | 0,268 | 0,367 |
| **GB7** | 1,248 | 0,323 | 0,805 |
| **GB8** | 0,604 | 0,228 | 0,406 |
| **GB9** | 1,047 | 0,236 | 0,289 |
| **GB10** | 0,470 | 0,006 | 0,109 |
| **GB11** | 0,805 | 0,213 | 0,867 |
| **GB12** | 0,483 | 0,827 | 0,867 |
| **GB13** | 0,483 | 0,228 | 0,914 |
| **GB14** | 0,376 | 0,299 | 0,516 |
| **GB15** | 0,644 | 0,220 | 0,164 |
| **GB16** | 2,564 | 0,205 | 0,938 |
| **GB17** | 0,268 | 0,142 | 0,938 |
| **GB18** | 0,134 | 0,006 | 0,359 |
| **GB19** | 0,148 | 0,189 | 0,406 |
| **GB21** | 2,349 | 0,409 | 0,102 |
| **GB22** | 2,054 | 0,189 | 0,078 |
| **GB23** | 1,919 | 0,740 | 0,977 |
| **GB24** | 3,262 | 0,236 | 0,570 |
| **GB25** | 6,349 | 0,205 | 0,516 |
| **GB26** | 1,450 | 0,126 | 0,195 |
| **GB28** | 0,295 | 0,063 | 0,422 |
| **GB29** | 0,282 | 0,299 | 0,805 |
| **GB30** | 0,067 | 0,268 | 0,602 |
| **GB31** | 1,074 | 0,276 | 2,328 |
| **GB32** | 0,094 | 0,213 | 0,477 |
| **GB33** | 0,309 | 0,213 | 0,148 |
| **GB34** | 0,282 | 0,006 | 1,281 |
| **GB35** | 0,644 | 0,039 | 0,117 |
| **GB36** | 0,456 | 0,236 | 0,164 |
| **GB37** | 2,913 | 0,331 | 1,398 |
| **GB38** | 2,309 | 0,228 | 1,148 |
| **GB39** | 0,215 | 0,268 | 1,109 |
| **GB40** | 0,658 | 0,244 | 0,500 |
| **GB41** | 0,107 | 0,244 | 0,102 |
| **GB42** | 0,376 | 0,283 | 0,461 |
| **GB43** | 1,799 | 0,173 | 0,914 |
| **GB44** | 4,805 | 0,228 | 0,500 |
| **GB45** | 2,000 | 0,291 | 0,609 |
| **GB46** | 1,114 | 0,386 | 0,398 |
| **GB47** | 2,752 | 0,378 | 1,750 |
| **GB48** | 3,570 | 0,850 | 0,344 |
| **GB49** | 2,309 | 0,260 | 0,164 |
| **GB50** | 1,933 | 0,213 | 0,172 |
| **DE1** | 0,940 | 0,006 | 0,133 |
| **DE2** | 0,309 | 0,205 | 0,008 |
| **DE3** | 1,248 | 0,205 | 0,023 |
| **DE4** | 1,034 | 0,197 | 0,852 |
| **DE5** | 0,456 | 0,213 | 0,055 |
| **DE6** | 1,087 | 0,197 | 0,219 |
| **DE7** | 0,550 | 0,189 | 0,359 |
| **DE8** | 1,154 | 0,134 | 0,117 |
| **DE9** | 2,067 | 0,134 | 0,438 |
| **DE11** | 1,611 | 0,669 | 4,813 |
| **DE12** | 0,819 | 0,260 | 0,734 |
| **DE13** | 2,846 | 0,268 | 1,250 |
| **DE14** | 2,027 | 0,268 | 0,406 |
| **DE15** | 1,987 | 0,276 | 0,797 |
| **DE16** | 2,027 | 0,142 | 0,375 |
| **DE17** | 1,893 | 0,236 | 0,633 |
| **DE18** | 1,852 | 0,299 | 1,297 |
| **DE19** | 0,846 | 0,283 | 2,117 |
| **DE20** | 1,570 | 0,378 | 0,516 |
| **DE21** | 1,154 | 0,252 | 0,602 |
| **DE22** | 1,490 | 0,252 | 0,375 |
| **DE23** | 1,168 | 0,197 | 0,469 |
| **DE24** | 6,268 | 0,024 | 1,359 |
| **DE26** | 1,007 | 0,205 | 0,289 |
| **DE27** | 0,725 | 0,228 | 0,578 |
| **DE28** | 1,651 | 0,236 | 1,078 |
| **DE29** | 1,517 | 0,205 | 0,078 |
| **DE30** | 1,477 | 0,205 | 0,633 |
| **DE31** | 0,577 | 0,205 | 0,516 |
| **DE32** | 1,597 | 0,134 | 0,180 |
| **DE33** | 1,369 | 0,189 | 0,547 |
| **DE34** | 1,624 | 0,244 | 0,930 |
| **DE35** | 0,819 | 0,205 | 0,227 |
| **DE37** | 1,812 | 0,291 | 0,414 |
| **DE38** | 1,906 | 0,315 | 3,156 |
| **DE39** | 0,228 | 0,197 | 0,016 |
| **DE40** | 1,530 | 0,252 | 0,945 |
| **DE41** | 0,913 | 0,260 | 0,758 |
| **DE42** | 1,114 | 0,006 | 0,680 |
| **DE43** | 1,732 | 0,228 | 0,320 |
| **DE44** | 0,993 | 0,236 | 0,359 |
| **DE45** | 1,007 | 0,283 | 0,336 |
| **DE46** | 1,396 | 0,402 | 1,109 |
| **DE47** | 1,060 | 0,409 | 1,430 |
| **DE48** | 0,953 | 0,024 | 0,805 |
| **DE49** | 0,081 | 0,220 | 0,422 |
| **DE50** | 0,242 | 0,228 | 0,039 |
| **FR1** | 0,282 | 0,016 | 0,844 |
| **FR2** | 0,403 | 1,118 | 0,313 |
| **FR3** | 0,228 | 0,268 | 0,656 |
| **FR4** | 0,362 | 0,299 | 1,086 |
| **FR5** | 0,161 | 0,142 | 0,391 |
| **FR6** | 0,174 | 0,071 | 0,867 |
| **FR7** | 0,121 | 0,228 | 0,344 |
| **FR8** | 0,510 | 0,236 | 0,406 |
| **FR9** | 0,564 | 0,260 | 0,352 |
| **FR10** | 0,483 | 0,236 | 0,195 |
| **FR11** | 0,215 | 0,283 | 0,273 |
| **FR12** | 0,456 | 0,268 | 1,188 |
| **FR13** | 0,430 | 0,252 | 0,508 |
| **FR14** | 0,631 | 0,006 | 1,336 |
| **FR15** | 0,322 | 0,228 | 0,359 |
| **FR16** | 0,067 | 0,236 | 1,359 |
| **FR17** | 0,161 | 0,244 | 1,406 |
| **FR18** | 0,228 | 0,370 | 0,688 |
| **FR19** | 0,591 | 0,402 | 1,125 |
| **FR20** | 0,658 | 0,244 | 0,570 |
| **FR21** | 0,416 | 0,173 | 0,492 |
| **FR22** | 0,497 | 0,024 | 0,539 |
| **FR23** | 0,228 | 0,213 | 0,078 |
| **FR24** | 0,336 | 0,228 | 0,086 |
| **FR25** | 0,148 | 0,283 | 3,367 |
| **FR26** | 0,094 | 0,228 | 1,227 |
| **FR27** | 0,081 | 0,213 | 0,133 |
| **FR28** | 0,134 | 0,165 | 0,703 |
| **FR29** | 0,523 | 0,386 | 0,641 |
| **FR30** | 0,322 | 0,386 | 1,305 |
| **FR31** | 0,336 | 0,402 | 0,766 |
| **FR32** | 0,510 | 0,331 | 0,836 |
| **FR33** | 0,201 | 0,252 | 1,414 |
| **FR34** | 0,456 | 0,331 | 1,578 |
| **FR35** | 0,282 | 0,354 | 1,625 |
| **FR36** | 0,336 | 0,047 | 0,594 |
| **FR37** | 0,228 | 0,252 | 0,539 |
| **FR38** | 0,174 | 0,299 | 0,430 |
| **FR39** | 0,336 | 0,480 | 5,773 |
| **FR40** | 0,376 | 0,299 | 0,523 |
| **FR41** | 0,107 | 0,307 | 0,344 |
| **FR42** | 0,658 | 0,346 | 1,375 |
| **FR43** | 0,255 | 0,197 | 0,336 |
| **FR44** | 0,322 | 0,006 | 0,625 |
| **FR45** | 0,389 | 0,283 | 0,820 |
| **FR46** | 0,336 | 0,244 | 1,625 |
| **FR47** | 0,121 | 0,228 | 0,516 |
| **FR48** | 0,174 | 0,244 | 0,469 |
| **FR49** | 0,134 | 0,244 | 0,211 |
| **FR50** | 0,228 | 0,362 | 1,047 |
| **DK1** | 0,805 | 0,291 | 2,172 |
| **DK2** | 0,443 | 0,006 | 1,344 |
| **DK3** | 0,268 | 0,268 | 0,313 |
| **DK4** | 0,604 | 0,354 | 0,797 |
| **DK5** | 0,779 | 0,307 | 1,102 |
| **DK6** | 0,497 | 0,323 | 1,422 |
| **DK7** | 0,228 | 0,244 | 0,336 |
| **DK8** | 0,215 | 0,006 | 0,578 |
| **DK9** | 0,295 | 0,283 | 1,625 |
| **DK10** | 0,134 | 0,236 | 0,273 |
| **DK11** | 0,242 | 0,268 | 1,531 |
| **DK12** | 0,698 | 0,315 | 1,523 |
| **DK13** | 0,362 | 0,291 | 0,969 |
| **DK14** | 0,483 | 0,346 | 4,844 |
| **DK15** | 0,430 | 0,409 | 1,375 |
| **DK16** | 0,295 | 0,228 | 1,000 |
| **DK17** | 0,805 | 0,205 | 3,578 |
| **DK18** | 0,738 | 0,378 | 3,219 |
| **DK19** | 0,376 | 0,354 | 1,914 |
| **DK20** | 0,430 | 0,354 | 1,227 |
| **DK21** | 0,416 | 0,488 | 3,102 |
| **DK22** | 0,443 | 0,362 | 3,648 |
| **DK23** | 0,349 | 0,323 | 4,250 |
| **DK24** | 0,295 | 0,362 | 0,547 |
| **DK25** | 0,107 | 0,006 | 0,609 |
| **DK26** | 0,121 | 0,236 | 1,430 |
| **DK27** | 0,107 | 0,268 | 1,086 |
| **DK28** | 0,362 | 0,299 | 1,578 |
| **DK29** | 0,483 | 0,268 | 2,469 |
| **DK30** | 0,483 | 0,283 | 0,359 |
| **DK31** | 0,201 | 0,260 | 1,383 |
| **DK32** | 0,228 | 0,197 | 1,242 |
| **DK33** | 0,188 | 0,063 | 3,602 |
| **DK34** | 0,993 | 0,283 | 3,273 |
| **DK35** | 0,550 | 0,354 | 0,844 |
| **DK36** | 0,295 | 0,299 | 4,117 |
| **DK37** | 0,456 | 0,346 | 1,602 |
| **DK38** | 0,268 | 0,496 | 0,570 |
| **DK39** | 1,758 | 0,118 | 0,453 |
| **DK40** | 1,262 | 0,228 | 0,711 |
| **DK41** | 2,658 | 0,370 | 2,188 |
| **DK42** | 1,732 | 0,772 | 6,320 |
| **DK43** | 2,940 | 1,748 | 1,180 |
| **DK44** | 1,866 | 0,331 | 1,836 |
| **DK45** | 1,544 | 0,299 | 0,430 |
| **DK46** | 1,651 | 0,197 | 0,523 |
| **DK47** | 1,758 | 0,016 | 0,328 |
| **DK48** | 3,221 | 0,276 | 0,961 |
| **DK49** | 2,859 | 0,417 | 1,031 |
| **DK50** | 2,819 | 1,008 | 0,547 |
| **PL1** | 1,785 | 0,260 | 0,906 |
| **PL2** | 2,054 | 0,307 | 0,727 |
| **PL3** | 3,154 | 0,409 | 1,070 |
| **PL4** | 1,034 | 0,181 | 0,539 |
| **PL5** | 4,295 | 0,006 | 0,492 |
| **PL6** | 4,685 | 0,299 | 2,469 |
| **PL7** | 1,463 | 0,315 | 0,922 |
| **PL8** | 4,819 | 0,488 | 1,547 |
| **PL9** | 3,114 | 1,181 | 2,164 |
| **PL10** | 1,906 | 0,260 | 1,133 |
| **PL11** | 8,430 | 0,252 | 0,453 |
| **PL12** | 0,779 | 0,260 | 0,930 |
| **PL13** | 3,544 | 0,006 | 1,391 |
| **PL14** | 0,832 | 0,181 | 0,633 |
| **PL15** | 0,725 | 0,189 | 0,148 |
| **PL16** | 1,732 | 0,260 | 0,984 |
| **PL17** | 2,362 | 0,252 | 1,055 |
| **PL18** | 2,040 | 0,244 | 1,266 |
| **PL19** | 1,597 | 0,283 | 0,508 |
| **PL20** | 4,859 | 0,654 | 1,141 |
| **PL21** | 2,309 | 0,283 | 0,781 |
| **PL22** | 1,262 | 0,260 | 0,453 |
| **PL23** | 4,671 | 0,362 | 0,398 |
| **PL24** | 1,181 | 0,835 | 0,797 |
| **PL25** | 1,181 | 0,252 | 0,141 |
| **PL26** | 0,926 | 0,291 | 1,094 |
| **PL27** | 1,517 | 0,228 | 1,164 |
| **PL28** | 1,651 | 0,291 | 1,656 |
| **PL29** | 0,470 | 0,252 | 0,273 |
| **PL30** | 3,369 | 0,252 | 0,609 |
| **PL31** | 3,772 | 0,598 | 3,836 |
| **PL32** | 1,181 | 0,559 | 0,367 |
| **PL33** | 5,611 | 0,409 | 0,969 |
| **PL34** | 1,826 | 0,220 | 3,180 |
| **PL35** | 0,899 | 0,039 | 0,938 |
| **PL36** | 2,174 | 0,228 | 2,859 |
| **PL37** | 6,483 | 0,244 | 0,203 |
| **PL38** | 0,926 | 0,236 | 0,227 |
| **PL39** | 1,154 | 0,299 | 0,453 |
| **PL40** | 1,020 | 0,213 | 0,344 |
| **PL41** | 2,725 | 0,252 | 1,539 |
| **PL42** | 4,027 | 0,252 | 1,430 |
| **PL43** | 2,631 | 0,142 | 1,156 |
| **PL44** | 4,980 | 0,386 | 0,852 |
| **PL45** | 1,060 | 0,236 | 0,398 |
| **PL46** | 2,322 | 0,402 | 3,703 |
| **PL47** | 2,604 | 0,417 | 1,469 |
| **PL48** | 2,752 | 0,276 | 1,180 |
| **PL49** | 4,537 | 0,031 | 2,289 |
| **PL50** | 7,705 | 0,006 | 0,445 |
| **PT 1** | 1,495 | 0,945 | 5,931 |
| **PT 2** | 0,975 | 0,574 | 1,673 |
| **PT 3** | 0,310 | 0,451 | 2,229 |
| **PT 4** | 1,097 | 0,526 | 2,270 |
| **PT 5** | 2,576 | 0,561 | 8,987 |
| **PT 6** | 4,065 | 0,536 | 17,337 |
| **PT 7** | 2,621 | 0,717 | 4,599 |
| **PT 8** | 0,516 | 0,385 | 1,664 |
| **PT 9** | 0,852 | 0,643 | 3,480 |
| **PT 10** | 2,163 | 1,625 | 2,100 |
| **PT 11** | 1,173 | 0,301 | 3,005 |
| **PT 12** | 0,845 | 0,372 | 2,369 |
| **PT 13** | 1,060 | 1,559 | 5,163 |
| **PT 14** | 0,478 | 0,165 | 1,864 |
| **PT 15** | 0,395 | 0,708 | 1,495 |
| **PT 16** | 0,421 | 0,845 | 3,938 |
| **PT 17** | 1,456 | 0,245 | 1,967 |
| **PT 18** | 0,691 | 0,639 | 1,276 |
| **PT 19** | 0,319 | 0,374 | 2,645 |
| **PT 20** | 0,498 | 0,583 | 16,046 |
| **PT 21** | 0,525 | 0,330 | 1,292 |
| **PT 22** | 0,622 | 0,567 | 5,962 |
| **PT 23** | 0,464 | 0,283 | 2,350 |
| **PT 24** | 0,559 | 0,520 | 5,926 |
| **PT 25** | 0,179 | 0,242 | 5,919 |
| **PT 26** | 0,356 | 0,156 | 5,336 |
| **PT 27** | 1,456 | 1,689 | 19,624 |
| **PT 28** | 0,189 | 0,580 | 11,215 |
| **PT 29** | 0,965 | 0,237 | 3,020 |
| **PT 30** | 23,588 | 69,186 | 13,211 |
| **PT 31** | 0,720 | 0,419 | 8,376 |
| **PT 32** | 0,878 | 0,460 | 4,460 |
| **PT 33** | 0,613 | 0,513 | 0,668 |
| **PT 34** | 6,409 | 1,155 | 5,150 |
| **PT 35** | 0,521 | 0,507 | 1,385 |
| **PT 36** | 1,320 | 0,146 | 10,816 |
| **PT 37** | 0,834 | 0,557 | 1,688 |
| **PT 38** | 2,043 | 0,431 | 6,671 |
| **PT 39** | 1,565 | 0,756 | 20,618 |
| **PT 40** | 1,034 | 0,316 | 3,406 |
| **PT 41** | 0,992 | 0,276 | 2,174 |
| **PT 42** | 1,294 | 0,324 | 2,329 |
| **PT 43** | 0,391 | 0,866 | 4,689 |
| **PT 44** | 1,160 | 0,229 | 7,933 |
| **PT 45** | 1,588 | 1,053 | 3,172 |
| **PT 46** | 0,925 | 0,918 | 2,206 |
| **PT 47** | 0,445 | 0,266 | 1,008 |
| **PT 48** | 1,293 | 0,609 | 28,118 |
| **PT 49** | 2,329 | 0,550 | 3,932 |
| **PT 50** | 0,491 | 1,353 | 3,358 |

Table S12. Seropositivity values for the three cohorts of study: CanL+, CanL- and Europe (HU-Hungary, NL-the Netherlands, UK-United Kingdom, DE-Germany, FR-France, DK-Denmark, PL-Poland and PT-Portugal), and total seropositivity associated with each score (0, 1, 2, 3, 4 and 5).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Score** | 5 | 4 | 3 | 2 | 1 | 0 |
|  | **Total Seropositivity %** | 0,3 | 1,6 | 16,4 | 37,2 | 26,6 | 18,0 |
|  |  |  |  |  |  |  |  |
| **Europe** | **HU %** | 0,0 | 0,0 | 27,0 | 10,5 | 9,8 | 4,9 |
| **NL %** | 0,0 | 0,0 | 7,9 | 14,0 | 5,9 | 10,8 |
| **GB %** | 0,0 | 0,0 | 17,5 | 16,1 | 6,9 | 6,9 |
| **DE %** | 0,0 | 0,0 | 22,2 | 15,4 | 5,9 | 4,9 |
| **FR %** | 0,0 | 16,7 | 1,6 | 12,6 | 17,6 | 11,8 |
| **DK %** | 0,0 | 33,3 | 1,6 | 8,4 | 20,6 | 13,7 |
| **PL %** | 0,0 | 33,3 | 17,5 | 19,6 | 5,9 | 2,9 |
| **PT %** | 100,0 | 16,7 | 4,8 | 3,5 | 27,5 | 11,8 |
|  | **CanL+ %** | 82,8 | 13,8 | 0,0 | 3,4 | 0,0 | 0,0 |
|  | **CanL- %** | 0,0 | 0,0 | 0,0 | 6,6 | 27,3 | 66,1 |