Supplemental Table 5. Calculation of the numbers of deaths update to March 30, 2021 of the COVID-19 disease linear and polynomial models.

| Country      | Death till Peak | 3/30/2021 | y = 2.6193x + 173.8 | y = 18.246x - 135.09 w/o Wuh | y = 2.6534x + 39.527 w/o Swit |
|--------------|-----------------|-----------|---------------------|-------------------------------|---------------------------------|
| Japan 1/10/2021 | 3996           | 9031      | 10641               | 72776                         | 10643                          |
| Iran 12/1/2020  | 47486          | 62308     | 124554              | 866294                        | 126039                         |
| France 11/10/2020 | 39849         | 93884     | 104550              | 726950                        | 105775                         |
| Italy 11/17/2020 | 44683          | 107636    | 117212              | 815151                        | 118601                         |
| Spain 1/10/2021  | 51690          | 74420     | 135565              | 943001                        | 137194                         |
| Germany 12/20/2020 | 26049        | 75870     | 68404               | 475155                        | 69158                          |
| UK 1/10/2021     | 80868          | 126573    | 211991              | 1475382                       | 214615                         |
| Netherland 12/20/2020 | 10454       | 16450     | 27556               | 190609                        | 27778                          |
| Belgium 11/1/2020 | 11734          | 22897     | 30909               | 213963                        | 31175                          |
| US 1/10/2021     | 365886         | 543003    | 958539              | 6675821                       | 970881                         |
| Brazil 7/26/2020 | 85238          | 307112    | 223438              | 1555117                       | 226210                         |
| India 11/13/2020 | 78586          | 161552    | 206014              | 1433745                       | 208560                         |
| Russia 12/27/2020 | 54778         | 97740     | 143654              | 999344                        | 145387                         |
| Turkey 12/13/2020 | 16199         | 30923     | 42604               | 295432                        | 43022                          |

| Poly    | 3/30/2021 | future death | W/o Wuh | W/0 Swi | W/o Wuh Swit |
|---------|-----------|--------------|---------|---------|--------------|
| Japan   | 9031      | 1609.5228    | 63744.926 | 1611.5134 | 10694.0994  |
| Iran    | 62308     | 62245.8798   | 803986.466 | 63730.8794 | 171970.6654 |
| France  | 93884     | 10666.2857   | 633065.764 | 11890.8636 | 102718.2896 |
| Italy   | 107636    | 9575.9819    | 707514.928 | 10965.3992 | 112814.3452 |
| Spain   | 74420     | 61145.417    | 868580.65  | 62773.773  | 180598.679  |
| Germany | 75870     | -7466.0543   | 399284.964 | -6712.0564 | 52651.3696  |
| UK      | 126573    | 85418.3524   | 1348809.438 | 88041.6782 | 272392.4242 |
| Netherland | 16450   | 11105.9622   | 174158.594 | 11328.1706 | 35134.9966  |
| Belgium | 22897     | 8011.6662    | 191066.474 | 8277.5226  | 35002.7486  |
| US      | 543003    | 415535.9998  | 6132817.866 | 427878.4394 | 1262070.225 |
| Brazil  | 307112    | -83674.3066  | 1248005.458 | -80901.9638 | 113412.3822 |
| India   | 161552    | 44462.1098   | 1272193.066 | 47007.6194  | 226155.4054 |
| Russia  | 97740     | 45913.8154   | 901604.298  | 47647.4722  | 172513.0182 |
| Turkey  | 30923     | 11680.8407   | 264508.864  | 12098.9536  | 49004.3796  |