**Supplementary Table SIII.** Associations between haplogroup status and clinicopathological features of Polish colorectal cancer patients. Statistical significance of the differences between clinicopathological features and the mtDNA alleles were calculated using a Chi-square test with Yates correction.

| Gender     | Male | Female | P-value | Male | Female | P-value | Male | Female | P-value |
|------------|------|--------|---------|------|--------|---------|------|--------|---------|
| Age        | <65  | >65    |         | <65  | >65    |         | <65  | >65    |         |
|            | 56   | 3      | 0.6746  | 33  | 26     | 0.8506  | 56   | 3      | 0.6746  |
|            | 39   | 2      | 0.6746  | 23  | 18     | 0.8506  | 39   | 2      | 0.6746  |
| Localization | Left colon | Right colon |         | Left colon | Right colon |         | Left colon | Right colon |         |
|            | 54   | 2      | 0.7457  | 35  | 22     | 0.2938  | 54   | 2      | 0.7457  |
|            | 41   | 2      | 0.7457  | 31  | 22     | 0.2938  | 41   | 2      | 0.7457  |
| Lymph node metastasis | Yes | No     | 0.1857  | Yes | No     | 0.1857  | Yes | No     | 0.1857  |
|            | 38   | 5      | 0.1857  | 20  | 18     | 0.7461  | 38   | 5      | 0.1857  |
|            | 57   | 5      | 0.1857  | 36  | 36     | 0.7461  | 57   | 5      | 0.1857  |
| Stage I    | Yes | No     | 0.9597  | Yes | No     | 0.9597  | Yes | No     | 0.9597  |
|            | 27   | 2      | 0.9597  | 18  | 11     | 0.5759  | 27   | 2      | 0.9597  |
|            | 68   | 3      | 0.9597  | 33  | 18     | 0.5759  | 68   | 3      | 0.9597  |
| Stage II   | Yes | No     | 0.4069  | Yes | No     | 0.4069  | Yes | No     | 0.4069  |
|            | 30   | 2      | 0.4069  | 18  | 15     | 0.9932  | 30   | 2      | 0.4069  |
|            | 65   | 2      | 0.4069  | 38  | 29     | 0.9932  | 65   | 2      | 0.4069  |
| Stage III  | Yes | No     | 0.2451  | Yes | No     | 0.2451  | Yes | No     | 0.2451  |
|            | 34   | 5      | 0.2451  | 16  | 18     | 0.2801  | 34   | 5      | 0.2451  |
|            | 61   | 5      | 0.2451  | 40  | 26     | 0.2801  | 61   | 5      | 0.2451  |
| Stage IV   | Yes | No     | 0.4824  | Yes | No     | 0.4824  | Yes | No     | 0.4824  |
|            | 4    | 5      | 0.4824  | 4   | 4      | 0.1952  | 4    | 5      | 0.4824  |
| Somatic mtDNA mutations | Yes | No     | 0.8100  | Yes | No     | 0.8100  | Yes | No     | 0.8100  |
|            | 33   | 3      | 0.8100  | 17  | 18     | 0.3751  | 33   | 3      | 0.8100  |
|            | 62   | 3      | 0.8100  | 39  | 26     | 0.3751  | 62   | 3      | 0.8100  |
| Somatic mtDNA indels | Yes | No     | 0.8177  | Yes | No     | 0.8177  | Yes | No     | 0.8177  |
|            | 42   | 2      | 0.8177  | 21  | 24     | 0.1341  | 42   | 2      | 0.8177  |
|            | 53   | 2      | 0.8177  | 35  | 20     | 0.1341  | 53   | 2      | 0.8177  |
| Somatic mtDNA substitutions | Yes | No     | 0.7472  | Yes | No     | 0.7472  | Yes | No     | 0.7472  |
|            | 72   | 4      | 0.7472  | 41  | 35     | 0.6171  | 72   | 4      | 0.7472  |
|            | 23   | 1      | 0.7472  | 15  | 9      | 0.6171  | 23   | 1      | 0.7472  |
|                        | Haplogroup J |        | P-value | Haplogroup T |        | P-value | Haplogroup U |        | P-value |
|------------------------|--------------|--------|---------|--------------|--------|---------|--------------|--------|---------|
|                        | Yes | No  |         | Yes | No  |         | Yes | No  |         |
| Gender                 |    Male | Female |        |    Yes | No  |         |    Yes | No  |         |
|                        | 3   | 56  | 0.6156  | 11  | 48  | 0.0871  | 13  | 46  | 0.1715 |
|                        | 4   | 37  |         | 2   | 39  |         | 15  | 26  |         |
| Age                    | <65 | >65 |        |    Yes | No  |         |    Yes | No  |         |
|                        | 3   | 41  | 0.7402  | 5   | 39  | 0.8952  | 8   | 36  | 0.0865 |
|                        | 4   | 52  |         | 8   | 48  |         | 20  | 36  |         |
| Localization           | Left colon | Right colon |        |    Yes | No  |         |    Yes | No  |         |
|                        | 4   | 53  | 0.6981  | 3   | 35  | 0.3777  | 18  | 39  | 0.4884 |
|                        | 3   | 40  |         | 10  | 52  |         | 10  | 33  |         |
| Lymph node metastasis  | Yes | No  |        |    Yes | No  |         |    Yes | No  |         |
|                        | 4   | 34  | 0.4976  | 3   | 35  | 0.3777  | 11  | 27  | 0.9488 |
|                        | 3   | 59  |         | 10  | 52  |         | 17  | 45  |         |
| Stage I                | Yes | No  |        |    Yes | No  |         |    Yes | No  |         |
|                        | 1   | 28  | 0.6471  | 5   | 24  | 0.6324  | 10  | 19  | 0.4982 |
|                        | 6   | 65  |         | 8   | 63  |         | 18  | 53  |         |
| Stage II               | Yes | No  |        |    Yes | No  |         |    Yes | No  |         |
|                        | 2   | 31  | 0.8742  | 5   | 28  | 0.8944  | 7   | 26  | 0.4099 |
|                        | 5   | 62  |         | 8   | 59  |         | 21  | 46  |         |
| Stage III              | Yes | No  |        |    Yes | No  |         |    Yes | No  |         |
|                        | 3   | 31  | 0.9209  | 2   | 32  | 0.2281  | 9   | 25  | 0.9925 |
|                        | 4   | 62  |         | 11  | 55  |         | 19  | 47  |         |
| Stage IV               | Yes | No  |        |    Yes | No  |         |    Yes | No  |         |
|                        | 1   | 3   | 0.6599  | 1   | 3   | 0.9758  | 2   | 2   | 0.6658 |
|                        | 6   | 90  |         | 12  | 84  |         | 26  | 70  |         |
| Somatic mtDNA mutations| Yes | No  |        |    Yes | No  |         |    Yes | No  |         |
|                        | 1   | 34  | 0.4350  | 5   | 30  | 0.9751  | 8   | 27  | 0.5438 |
|                        | 6   | 59  |         | 8   | 57  |         | 20  | 45  |         |
| Somatic mtDNA indels   | Yes | No  |        |    Yes | No  |         |    Yes | No  |         |
|                        | 1   | 44  | 0.1936  | 6   | 39  | 0.8343  | 10  | 35  | 0.3472 |
|                        | 6   | 49  |         | 7   | 48  |         | 18  | 37  |         |
| Somatic mtDNA substitutions | Yes | No  |        |    Yes | No  |         |    Yes | No  |         |
|                        | 5   | 71  | 0.8688  | 8   | 68  | 0.3367  | 21  | 55  | 0.9087 |
|                        | 2   | 22  |         | 5   | 19  |         | 7   | 17  |         |
| Gender          | Yes | No | P-value | Yes | No | P-value | Yes | No | P-value |
|-----------------|-----|----|---------|-----|----|---------|-----|----|---------|
| Male            | 1   | 58 | 0.1762  | 6   | 53 | 0.4794  | 4   | 55 | 0.7681  |
| Female          | 4   | 37 |         | 7   | 34 |         | 3   | 38 |         |
| Age             |     |    |         |     |    |         |     |    |         |
| <65             | 1   | 43 | 0.5176  | 4   | 40 | 0.4649  | 2   | 42 | 0.6470  |
| >65             | 4   | 52 |         | 9   | 47 |         | 5   | 51 |         |
| Localization    |     |    |         |     |    |         |     |    |         |
| Left colon      | 4   | 53 | 0.5469  | 7   | 50 | 0.9569  | 5   | 52 | 0.6864  |
| Right colon     | 1   | 42 |         | 6   | 37 |         | 2   | 41 |         |
| Lymph node metastasis | Yes | No | 0.1857 | 8   | 30 | 0.1168 | 2   | 36 | 0.8972 |
|                 | 5   | 57 |         | 5   | 57 |         | 5   | 57 |         |
| Stage I         |     |    |         |     |    |         |     |    |         |
| Yes             | 3   | 26 | 0.2884  | 2   | 27 | 0.4053  | 3   | 26 | 0.6848  |
| No              | 11  | 60 |         | 11  | 60 |         | 4   | 67 |         |
| Stage II        |     |    |         |     |    |         |     |    |         |
| Yes             | 2   | 31 | 0.8834  | 3   | 30 | 0.6174  | 2   | 31 | 0.8742  |
| No              | 10  | 57 |         | 10  | 57 |         | 5   | 62 |         |
| Stage III       |     |    |         |     |    |         |     |    |         |
| Yes             | 0   | 34 | 0.2451  | 7   | 27 | 0.1917  | 2   | 32 | 0.9209  |
| No              | 5   | 61 |         | 6   | 60 |         | 5   | 61 |         |
| Stage IV        |     |    |         |     |    |         |     |    |         |
| Yes             | 0   | 4  | 0.4824  | 1   | 3  | 0.9758  | 0   | 4  | 0.6599  |
| No              | 12  | 84 |         | 12  | 84 |         | 7   | 89 |         |
| Somatic mtDNA mutations | Yes | No | 0.8100 | 3   | 32 | 0.5127  | 2   | 33 | 0.9672  |
|                 | 4   | 61 |         | 10  | 55 |         | 5   | 60 |         |
| Somatic mtDNA indels | Yes | No | 0.4891 | 3   | 42 | 0.1601  | 3   | 42 | 0.7828  |
|                 | 4   | 51 |         | 10  | 45 |         | 4   | 51 |         |
| Somatic mtDNA subsitutions | Yes | No | 0.7472 | 10  | 66 | 0.7913  | 5   | 71 | 0.8688  |
|                 | 1   | 23 |         | 3   | 21 |         | 2   | 22 |         |
|                           | Haplogroup K |        |       |        |       |
|---------------------------|--------------|--------|-------|--------|-------|
|                           | Yes          | No     |       |        |       |
| Gender                    | Male         | 4      | 55    | 0.9727 |       |
|                           | Female       | 2      | 39    |        |       |
| Age                       | <65          | 1      | 43    | 0.3335 |       |
|                           | >65          | 5      | 51    |        |       |
| Localization              | Left colon   | 4      | 53    | 0.9458 |       |
|                           | Right colon  | 2      | 41    |        |       |
| Lymph node metastasis     | Yes          | 2      | 36    | 0.8486 |       |
|                           | No           | 4      | 58    |        |       |
| Stage I                   | Yes          | 3      | 26    | 0.4827 |       |
|                           | No           | 3      | 68    |        |       |
| Stage II                  | Yes          | 1      | 32    | 0.6673 |       |
|                           | No           | 5      | 62    |        |       |
| Stage III                 | Yes          | 2      | 32    | 0.6826 |       |
|                           | No           | 4      | 62    |        |       |
| Stage IV                  | Yes          | 0      | 4     | 0.5764 |       |
|                           | No           | 6      | 90    |        |       |
| Somatic mtDNA mutations   | Yes          | 2      | 33    | 0.7240 |       |
|                           | No           | 4      | 61    |        |       |
| Somatic mtDNA indels      | Yes          | 2      | 43    | 0.8656 |       |
|                           | No           | 4      | 51    |        |       |
| Somatic mtDNA subsitutions| Yes          | 5      | 71    | 0.9528 |       |
|                           | No           | 1      | 23    |        |       |