**Supplementary material:**

**Figure. Graph represents family history, marital status and abortions**

**TABLE: PATIENTS FEATURES**

| **TYPE**  | **SAMPLE NUMBER**  | **AGE** | **STAGE** | **FAMILY HISTORY** | **AGE OF MENSTRAUTION** | **MARITAL STATUS** | **ABORTIONS** | **Mutation** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Malignant | M3 | 35 | III | **+** | 11 | YES | + | NO |
| Malignant | M23 | 53 | I | **-** | 12 | YES | - | NO |
| Malignant | M27 | 46 | II | **-** | 11 | YES | - | NO |
| Malignant | M33 | 55 | II | **-** | 12 | YES | - | NO |
| Malignant | M49 | 65 | IV | **-** | 14 | YES | - | NO |
| Malignant | M60 | 50 | III | **-** | 11 | NO | - | NO |
| Malignant | M64 | 43 | III | **+** | 12 | YES | - | NO |
| Malignant | M70 | 55 | III | **-** | 13 | YES | - | NO |
| Malignant | M71 | 40 | II | **+** | 12 | NO | - | YES |
| Malignant | M73 | 45 | III | **-** | 12 | YES | + | NO |
| Malignant | M75 | 70 | II | **-** | 13 | YES | - | NO |
| Malignant | M78 | 32 | II | **+** | 11 | NO | - | NO |
| Malignant | M79 | 44 | IV | **+** | 12 | YES | + | NO |
| Malignant | M85 | 37 | III | **+** | 12 | NO | - | YES |
| Malignant | M90 | 47 | IV | **-** | 12 | YES | - | NO |
| Malignant | M91 | 45 | III | **-** | 12 | YES | - | YES |
| Malignant | M94 | 51 | IV | + | 11 | YES | - | NO |
| Malignant | M97 | 39 | II | **+** | 13 | YES | - | NO |