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| **Table S1.**  Summary of patient information on 56 adult testicular biopsy samples. |
|   |   |   |   |   |
|  | **ID** | **Age** | **Diagnosis** | **Chromosome** **Constitution** |
| \* | Sp319 | 31 | Oligospermia |   |
| \* | Sp338 | 36 | Previous Vasectomy |   |
| \* | Sp341 | 78 |   | 46,XY |
| \* | Sp345 | 32 | Cystic Fibrosis | 46,XY |
| \* | Sp350 | 31 | Varicocele |   |
| \* | Sp357 | 33 | Severe oligospermia | 46,XY |
| \* | Sp362 | 44 | Previous Vasectomy | 46,XY |
| \* | Sp363 | 73 | Prostate cancer |   |
| \* | Sp364 | 41 | Previous Vasectomy | 46,XY |
| \* | Sp366 | 32 | Cystic Fibrosis | 46,XY |
| \* | Sp367 | 45 | Previous Vasectomy |   |
| \* | Sp368 | 30 | Cystic Fibrosis | 46,XY |
| \* | Sp370 | 33 | Previous Vasectomy | 46,XY |
| \* | Sp371 | 44 | Previous Vasectomy |   |
| \* | Sp372 | 40 | Previous Vasectomy | 46,XY |
| \* | Sp376 | 46 | Previous Vasectomy |   |
| \* | Sp377 | 34 | Previous Vasectomy | 46,XY |
| \* | Sp379 | 31 |   | 46,XY |
| \* | Sp382 | 48 | Previous Vasectomy | 46,XY |
| \* | Sp383 | 21 |   | 46,XY |
| \* | Sp393 | 31 | Cystic Fibrosis | 46,XY |
|  | Sp401 | 43 | Previous Vasectomy | 46,XY |
| \* | Sp402 | 41 | Previous Vasectomy | 46,XY |
| \* | Sp403 | 31 | Previous Vasectomy | 46,XY |
|  | Sp404 | 34 | Cystic Fibrosis |   |
|  | Sp405 | 34 | Seminoma testicular mass | 46,XY |
| \* | Sp407 | 26 | Cystic Fibrosis | 46,XY |
| \* | Sp410 | 30 | Cystic Fibrosis | 46,XY |
|  | Sp413 | 60 | Previous Vasectomy | 46,XY |
|  | Sp414 | 44 | Previous Vasectomy | 46,XY |
|  | Sp1005 | 51 | Previous Vasectomy |   |
|  | Sp1006 | 39 |   |   |
|  | Sp2016 |   | Previous Vasectomy |   |
|  | OA-1 | 47 | Previous Vasectomy |   |
|  | OA-2 | 60 | Previous Vasectomy |   |
|  | OA-3 | 38 | Previous Vasectomy |   |
|  | OA-4 | 53 | Previous Vasectomy |   |
|  | OA-5 | 32 | Previous Vasectomy |   |
|  | OA-6 | 44 | Previous Vasectomy |   |
|  | OA-7 | 31 | Previous Vasectomy |   |
|  | OA-9 | 42 | Previous Vasectomy |   |
|  | OA-12 | 47 | Previous Vasectomy |   |
|  | OA-13 | 35 | Previous Vasectomy |   |
|  | OA-14 | 44 | Previous Vasectomy |   |
|  | OA-15 | 51 | Previous Vasectomy |   |
|  | OA-16 | 42 | Previous Vasectomy |   |
|  | OA-17 | 60 | Previous Vasectomy |   |
|  | OA-18 | 49 | Previous Vasectomy |   |
|  | OA-19 | 49 | Previous Vasectomy |   |
|  | OA-20 | 48 | Previous Vasectomy |   |
|  | OA-21 | 35 | Previous Vasectomy |   |
|  | OA-22 | 46 | Previous Vasectomy |   |
|  | OA-23 | 47 | Previous Vasectomy |   |
|  | OA-24 | 54 | Previous Vasectomy |   |
|  | OA-25 | 54 | Previous Vasectomy |   |
|  | OA-26 | 50 | Previous Vasectomy |   |

\*previously reported in [23]