

Supplementary Table 1: Clinical details of patients and relative miR-371a-3p expression in CVB and TVB.

| case Id | age (years) | histology S/NS | percentage of teratoma | tumor size (mm) | testis length (mm) | pT stage | localization right/left | CS | CVB (RQ) pre-op | TVB (RQ) | CVB (RQ) post-op |
|------------|----------------|-------------------|---------------------------|--------------------|-----------------------|-------------|----------------------------|----|--------------------|---------------|---------------------|
| 14 | 35 | NS | 95% | 35 | 40 | pT1 | ri | 1 | 0.000 | 669.549 | 0.000 |
| 15 | 26 | S | 0 | 33 | 45 | pT1 | ri | 1 | 771.729 | 2,901,834.938 | 0.022 |
| 17 | 28 | NS | 0 | 9 | 43 | pT1 | ri | 1 | 554.700 | 2,506.816 | n.m. |
| 18 | 48 | S | 0 | 15 | 45 | pT1 | ri | 1 | 492.184 | 2,094.250 | 3.593 |
| 19 | 41 | S | 0 | 25 | 55 | pT1 | ri | 1 | 1,765.523 | 189,358.699 | 0.030 |
| 20 | 41 | S | 0 | 55 | 55 | pT2 | ri | 1 | 1,162.388 | 2,607,999.372 | n.m. |
| 21 | 48 | S | 0 | 10 | 50 | pT1 | ri | 1 | 186.708 | 1,540.696 | 0.000 |
| 22 | 22 | NS | 100% | 9 | 50 | pT1 | le | 1 | 0.113 | 695.662 | 0.000 |
| 23 | 52 | S | 0 | 15 | 32 | pT2 | ri | 1 | 32.767 | 5,268.124 | 0.000 |
| 25 | 45 | S | 0 | 37 | 55 | pT1 | ri | 1 | 1,062.353 | 73,131.747 | 0.293 |
| 26 | 35 | NS | 0 | 54 | 55 | pT2 | ri | 1 | 2,391.268 | 151,149.076 | n.m. |
| 27 | 37 | S | 0 | 9 | 43 | pT1 | ri | 1 | 0.542 | 5,677.671 | 0.000 |
| 28 | 55 | NS | 0 | 9 | 70 | pT2 | le | 1 | 10,754.019 | 5,913,475.246 | 3.577 |
| 29 | 32 | S | 0 | 38 | 50 | pT3 | le | 1 | 2,572.260 | 67,437.259 | n.m. |
| 30 | 37 | S | 0 | 9 | 38 | pT1 | ri | 1 | 0.170 | 579.579 | 1.130 |
| 31 | 50 | S | 0 | 30 | 54 | pT2 | ri | 1 | 0.672 | 36.965 | 0.000 |
| 32 | 31 | S | 0 | 28 | 50 | pT1 | le | 1 | 33.209 | 1,561,473.360 | 0.013 |
| 33 | 54 | S | 0 | 13 | 35 | pT1 | le | 1 | 13.014 | 8,031.733 | 0.000 |
| 34 | 18 | NS | 80% | 33 | 55 | pT1 | le | 1 | 160.518 | 5,145.532 | 6.255 |
| 36 | 49 | S | 0 | 13 | 40 | pT2 | le | 1 | 174.149 | 8,164.584 | 0.062 |
| 37 | 36 | S | 0 | 15 | 50 | pT1 | ri | 1 | 200.198 | 89,097.046 | n.m. |
| 38 | 33 | S | 0 | 4 | 35 | pT1 | ri | 1 | 0.379 | 5,797.373 | 0.000 |
| 39 | 45 | S | 0 | 40 | 65 | pT2 | le | 1 | 14,219.408 | 5,457,765.911 | n.m. |
| 41 | 41 | NS | 60% | 50 | 50 | pT1 | le | 1 | 1,337.139 | 189,940.808 | 0.000 |
| 42 | 32 | NS | 80% | 45 | 55 | pT1 | le | 1 | 9.545 | 4,816.550 | 0.000 |
| 43 | 52 | S | 0 | 9 | 35 | pT1 | le | 1 | 39.062 | 1,880.759 | 0.000 |
| 44 | 31 | S | 0 | 45 | 50 | pT2 | ri | 1 | 3,916.182 | 558,048.824 | 0.000 |
| 45 | 34 | NS | 100% | 11 | 35 | pT1 | ri | 1 | 31.333 | 225,293.666 | n.m. |
| 47 | 46 | S | 0 | 13 | 33 | pT1 | ri | 1 | 33.220 | 2,823.738 | 0.000 |
| 50 | 33 | S | 0 | 40 | 65 | pT1 | ri | 1 | 2,346.870 | 208,113.811 | n.m. |
| 51 | 30 | S | 0 | 28 | 42 | pT2 | ri | 1 | 0.000 | 151,462.180 | 0.000 |
| 53 | 31 | NS | 60% | 30 | 40 | pT2 | le | 1 | 3,187.045 | 420,303.413 | 1.780 |
| 54 | 31 | S | 0 | 35 | 55 | pT2 | le | 1 | 1,421.810 | 29,555.272 | 0.000 |
| 55 | 25 | S | 0 | 18 | 38 | pT1 | le | 1 | 11.377 | 9,126.662 | 4.421 |

| | | | | | | | | | | | |
|----|----|----|------|----|----|-----|----|----|------------|---------------|-------|
| 56 | 47 | S | 0 | 70 | 45 | pT2 | le | 1 | 6,455.190 | 578,028.342 | 6.840 |
| 57 | 35 | S | 0 | 14 | 55 | pT1 | ri | 1 | 148.968 | 50,024.153 | n.m. |
| 58 | 41 | S | 0 | 12 | 40 | pT2 | le | 1 | 375.604 | 121,497.565 | n.m. |
| 59 | 43 | S | 0 | 20 | 55 | pT2 | ri | 1 | 751.362 | 15,619.596 | 0.000 |
| 60 | 45 | S | 0 | 65 | 70 | pT2 | le | 1 | 1,696.171 | 36,117.169 | 2.216 |
| 61 | 41 | S | 0 | 19 | 50 | pT1 | ri | 1 | 58.824 | 236,977.188 | n.m. |
| 62 | 18 | NS | 40% | 60 | 60 | pT2 | le | 1 | 26,865.548 | 3,192,757.666 | n.m. |
| 63 | 38 | NS | 0 | 20 | 45 | pT1 | le | 1 | 161.033 | 2,634.268 | 0.000 |
| 64 | 26 | NS | 0 | 17 | 55 | pT2 | le | 1 | 1,859.997 | 34,846.722 | 0.000 |
| 84 | 48 | S | 0 | 15 | 40 | pT1 | ri | 1 | 29.599 | 1,978.289 | 0.845 |
| 85 | 33 | S | 0 | 36 | 52 | pT2 | ri | 1 | 2,744.063 | 159,439.236 | n.m. |
| 86 | 23 | NS | 0 | 24 | 55 | pT2 | ri | 1 | 1,310.144 | 295,863.813 | n.m. |
| 87 | 46 | S | 0 | 20 | 45 | pT1 | ri | 1 | 618.618 | 7,776.402 | 0.000 |
| 88 | 44 | S | 0 | 40 | 55 | pT2 | ri | 1 | 338.361 | 5,757.536 | n.m. |
| 89 | 51 | S | 0 | 19 | 50 | pT1 | ri | 1 | 2.682 | 1,021.958 | n.m. |
| 90 | 33 | S | 0 | 21 | 38 | pT1 | ri | 1 | 93.625 | 9,529.994 | n.m. |
| 91 | 49 | S | 0 | 50 | 52 | pT2 | le | 1 | 1,632.434 | 2,035,125.560 | n.m. |
| 3 | 20 | NS | 0 | 28 | 50 | pT2 | ri | 2b | 6,541.110 | 720,353.011 | n.m. |
| 5 | 26 | NS | 0 | 13 | 52 | pT2 | ri | 2a | 431.569 | 9,396.291 | n.m. |
| 7 | 31 | NS | 0 | 35 | 40 | pT2 | le | 2c | 10,735.459 | 61,398.650 | n.m. |
| 8 | 31 | S | 0 | 65 | 65 | pT2 | le | 2b | 10,923.638 | 275,641.593 | n.m. |
| 9 | 47 | NS | 30% | 80 | 80 | pT2 | ri | 2a | 23,165.973 | 1,026,819.036 | n.m. |
| 10 | 32 | S | 0 | 25 | 45 | pT1 | ri | 2b | 20.331 | 52.810 | n.m. |
| 11 | 41 | S | 0 | 21 | 32 | pT2 | ri | 2a | 89.679 | 43,094.204 | n.m. |
| 12 | 50 | S | 0 | 20 | 55 | pT2 | le | 2a | 359.082 | 12,488.574 | n.m. |
| 15 | 38 | NS | 100% | 15 | 40 | pT1 | ri | 2a | 6.894 | 15,602.878 | n.m. |
| 16 | 46 | S | 0 | 60 | 65 | pT2 | le | 2a | 17,209.141 | 3,476,888.376 | n.m. |
| 18 | 53 | S | 0 | 75 | 75 | pT2 | le | 2a | 7,255.988 | 663,159.012 | n.m. |
| 31 | 46 | S | 0 | 45 | 60 | pT2 | le | 2a | 1,914.112 | 67,292.799 | n.m. |
| 4 | 48 | S | 0 | 30 | 50 | pT2 | le | 3 | 1,776.780 | 85,778.392 | n.m. |

S: seminoma. NS: non-seminoma. CS: clinical stage. pT: pathological tumor. pre-op: preoperative. post-op: postoperative. CVB: cubital vein blood. TVB: testicular vein blood. RQ: relative quantity. n.m.: not measured.