

Table S1 Parameters of human semen and patient characteristics influencing motility prior to thiram treatment

Sample number	Age (years)	Sperm count (×10 ⁶ /mL)	Progressive motility (%)	Motility (%)	Vitality (%)	Normal morphologically spermatozoa (%)	Testicular volume (mL)	Testosterone (ng/dL)	Follicle stimulating hormone (mIU/mL)	Luteinizing hormone (mIU/mL)	Body mass index (kg/m ²)	Genitourinary tract infection	Karyotype (G banding)
1	41	122	51	55	76	8.3	15	575.02	7.35	7.02	21.5	Negative	46,XY
2	25	103	51	54	85	4.5	16	377.83	5.34	3.65	22.3	Negative	46,XY
3	35	137	46	52	85	4.9	16	371.59	4.18	1.82	22.7	Negative	46,XY
4	36	68	46	49	84	4.3	15	232.86	6.03	4.36	22.8	Negative	46,XY
5	30	56	65	67	86	6.6	16	457.14	5.57	2.20	21.7	Negative	46,XY
6	26	70	73	76	88	7.3	16	447.67	2.01	2.34	21.5	Negative	46,XY
7	27	106	46	51	82	4.0	15	276.96	4.25	2.63	23.2	Negative	46,XY
8	32	74	39	43	81	6.5	15	421.19	3.79	3.87	21.6	Negative	46,XY