

Supplementary table 1. Hormone levels according to Tanner's genital stages in boys stratified by AMH/AMHR genotypes<sup>a</sup>

		G1		G2+3		G4+5	
		AMH	AMHR2	AMH	AMHR2	AMH	AMHR2
		rs10407022 T>G	rs11170547 C>T	rs10407022 T>G	rs11170547 C>T	rs10407022 T>G	rs11170547 C>T
AMH (pmol/L)	WW (n)	575 (120-1883) (248)	600 (66-2075) (286)	215 (20-1580) (134)	232 (20-1580) (150)	44 (13-159) (135)	48 (13-631) (165)
	WM (n)	633 (66-2075) (108)	607 (231-1883) (78)	196 (29-1235) (42)	150 (36-1086) (32)	58 (13-631) (64)	43 (19-116) (41)
	MM (n)	837 (363-1468) (12)	828 (549-1161) (4)	380 (88-1306) (7)	62 (49-75) (2)	79 (50-119) (8)	56 (35-76) (2)
	p-value <sup>b</sup>	<b>0.002</b>	0.316	0.149	<b>0.047</b>	<b>&lt;0.001</b>	0.667
Inhibin B (pg/mL)	WW (n)	83 (27-236) (248)	83 (28-285) (286)	192 (53-440) (134)	191 (53-440) (150)	185 (85-406) (135)	188 (76-406) (165)
	WM (n)	84 (28-285) (108)	84 (27-163) (78)	192 (90-320) (42)	196 (103-370) (32)	189 (76-384) (64)	194 (83-371) (41)
	MM (n)	82 (51-178) (12)	91 (63-161) (4)	183 (86-314) (7)	206 (191-221) (2)	186 (124-280) (8)	162 (150-173) (2)
	p-value <sup>b</sup>	0.892	0.826	0.928	0.803	0.959	0.663
FSH (IU/L)	WW (n)	0.8 (0.1-3.7) (248)	0.8 (0.1-6.0) (286)	1.9 (0.4-6.4) (134)	1.8 (0.4-8.9) (150)	3.1 (0.6-11.0) (135)	3.1 (0.5-15.4) (165)
	WM (n)	0.8 (0.2-6.0) (108)	0.7 (0.2-3.7) (78)	1.7 (0.5-8.9) (42)	2.0 (0.6-5.1) (32)	3.0 (0.5-15.4) (64)	3.0 (0.7-7.6) (41)
	MM (n)	1.0 (0.4-2.3) (12)	0.8 (0.3-2.0) (4)	2.0 (1.1-2.6) (7)	2.2 (0.9-3.5) (2)	4.0 (0.6-4.6) (8)	1.9 (1.3-2.6) (2)
	p-value <sup>b</sup>	0.417	0.759	0.924	0.997	0.986	0.228
LH (IU/L)	WW (n)	0.1 (0.0-2.3) (248)	0.1 (0.0-2.1) (286)	1.2 (0.0-4.6) (134)	1.2 (0.0-4.6) (150)	3.0 (0.4-9.3) (135)	2.9 (1.0-9.3) (165)
	WM (n)	0.1 (0.0-1.8) (108)	0.1 (0.0-1.1) (78)	1.1 (0.2-4.5) (42)	1.2 (0.2-3.2) (32)	2.8 (1.0-7.3) (64)	3.0 (0.4-7.5) (41)
	MM (n)	0.1 (0.0-0.1) (12)	0.2 (0.0-0.3) (4)	1.0 (0.7-2.0) (7)	1.2 (0.6-1.8) (2)	1.8 (0.6-3.6) (8)	3.2 (2.8-3.6) (2)
	p-value <sup>b</sup>	0.462	0.509	0.639	0.932	<b>0.012</b>	0.925
Testosterone (nmol/L)	WW (n)	0.1 (0.1-0.9) (248)	0.1 (0.1-2.1) (286)	2.7 (0.1-22.4) (134)	2.3 (0.1-22.4) (150)	16.2 (4.8-30.5) (135)	15.8 (3.0-31.0) (165)
	WM (n)	0.1 (0.1-2.1) (108)	0.1 (0.1-0.7) (78)	2.0 (0.1-14.2) (42)	3.5 (0.1-14.5) (32)	16.1 (3.0-29.6) (64)	17.0 (6.0-26.0) (41)
	MM (n)	0.1 (0.1-0.4) (12)	0.1 (0.1-0.2) (4)	1.9 (0.7-6.0) (7)	3.7 (1.3-6.1) (2)	13.6 (8.8-20.2) (8)	16.9 (16.9-17.0) (2)
	p-value <sup>b</sup>	0.327	0.433	0.741	0.406	0.492	0.879
Estradiol (pmol/L)	WW (n)	9 (9-67) (248)	9 (9-67) (286)	17 (9-57) (134)	15 (9-61) (150)	48 (9-139) (135)	46 (9-139) (165)
	WM (n)	9 (9-37) (108)	9 (9-62) (78)	16 (9-61) (42)	18 (9-49) (32)	47 (9-95) (64)	51 (9-114) (41)
	MM (n)	9 (9-30) (12)	9 (4)	18 (9-49) (7)	20 (9-30) (2)	47 (9-88) (8)	33 (28-37) (2)
	p-value <sup>b</sup>	0.467	0.187	0.790	0.545	0.784	0.072

Data presented as median (range).

<sup>a</sup>W: wildtype allele, M: minor allele (AMH rs10407022: WW: TT, WM: GT, MM: GG, AMHR2 rs11170547 WW:CC, WM: CT, MM: TT). The 100 boys from the longitudinal part of the COPENHAGEN Puberty Study contributed with one observation from each Tanner subgroup.

Minor-allele-effect: <sup>b</sup>Kruskal-Wallis test p-value