

	10	20	30	40	50	60
PRM2_RATTU	MVR ^Y RMRS ^P SPS	ESP ^H QGP ^G QD	HESEE ^Q G---	-QG ^Q ELN ^P ER	VED ^Y GR ^T HR ^G	--H ^H RHR ^R CS
PRM2_MOUSE	MVR ^Y RMRS ^P SPS	EGP ^H QGP ^G QD	HEREE ^Q G---	-QG ^Q GLSP ^E R	VED ^Y GR ^T HR ^G	HH ^H HRR ^R CS
PRM2_RATFU	MVR ^Y RMRS ^P SPS	EGP ^H QGP ^G QD	HEREE ^Q G---	-QG ^Q ELSP ^E R	VED ^Y GR ^T HR ^G	--H ^H RHR ^R CS
PRM2_ALOSE	MVR ^Y HVR ^S SPS	ERP ^H REY ^R QL	VNGQE ^Q GR ^H G	QEE ^Q GMSA ^E G	VEG ^Y GR ^T HQ ^G	CYGY ^R RR ^L CS
PRM2_CALJA	MVR ^Y RVRS ^P SPS	ERP ^H HEEY ^R QL	VNWQE ^Q GR ^N G	QEE ^Q GLSA ^E G	GEV ^Y GR ^T HQ ^G	YSS ^Y RRR ^R CS
PRM2_SEMEN	MVR ^Y RMRS ^L SL	ERP ^H EVH ^G Q ^Q	VYGQE ^Q GH ^N G	QEE ^Q GLSP ^E H	VEV ^Y ERT ^H Q ^G	YSH ^H RRR ^R CS
PRM2_ERYPA	MVR ^Y YR ^T RS ^L SL	ERP ^H EVH ^G Q ^Q	VHGQD ^Q GH ^N G	QEE ^Q GLSP ^E H	VEV ^Y ERT ^H Q ^G	HS ^H HRRR ^R CS
PRM2_MACNE	MVR ^Y RMRS ^L SL	ERP ^H EVH ^G Q ^Q	VHGQD ^Q GH ^N G	QEE ^Q GLN ^P EH	VEV ^Y ERT ^H R ^G	HS ^H HRRR ^R CS
PRM2_MACFU	MVR ^Y RMRS ^L SL	ERP ^H EVH ^G Q ^Q	VHGQD ^Q GH ^N G	QEE ^Q GLN ^P EH	VEV ^Y ERT ^H R ^G	HS ^H HRRR ^R CS
PRM2_MACMU	MVR ^Y RMRS ^L SL	ERS ^H EVH ^G Q ^Q	VHGQD ^Q GH ^N G	QEE ^Q GLN ^P EH	VEV ^Y ERT ^H -G	HS ^H YRR ^R CS
PRM2_GORGO	MVR ^C RVRS ^P SPS	ERS ^H EVY ^R Q ^Q	LHGQE ^Q GH ^H G	QEE ^Q GLSP ^E H	VEV ^Y ERT ^H -G	HS ^H YRRR ^R CS
PRM2_PANPA	MVR ^Y RVRS ^P SPS	EPS ^H EVY ^R Q ^Q	LHGQE ^Q GH ^H G	QEE ^Q GLSP ^E H	VEV ^Y ERT ^H -G	HS ^H YRRR ^R CS
PRM2_PANTR	MVR ^Y RVRS ^P SPS	EPS ^H EVY ^R Q ^Q	LHGQE ^Q GH ^H G	QEE ^Q GLSP ^E H	VEV ^Y ERT ^H -G	HS ^H YRRR ^R CS
PRM2_HUMAN	MVR ^Y RVRS ^L SL	ERS ^H EVY ^R Q ^Q	LHGQE ^Q GH ^H G	QEE ^Q GLSP ^E H	VEV ^Y ERT ^H -G	QS ^H YRRR ^R CS
PRM2_PONPY	MVR ^Y CVR ^S SL	ERS ^H EVY ^G Q ^Q	LHGQE ^Q GH ^D	QEE ^Q GLSP ^E Q	VEV ^Y ERT ^Q -G	HS ^H YRRR ^R CS
PRM2_HYLLA	MVR ^Y CVR ^S SL	ERS ^H EVY ^G Q ^Q	LRGQE ^Q GH ^H G	QEE ^Q GLSP ^E D	VEV ^Y ERT ^H -G	HS ^H YRRR ^R CS
	70	80	90	100	110	120
PRM2_RATTU	RKRLHRI ^H K ^R	R-RSC ^R RRRR	HS ^C CHRR ^R HR	RG ^C RRSRRRR	RCRCRK ^C RR ^Q	CH
PRM2_MOUSE	RKRLHRI ^H K ^R	R-RSC ^R RRRR	HS ^C CHRR ^R HR	RG ^C RRSRRRR	RCRCRK ^C RR ^H	HH
PRM2_RATFU	RKRLHRI ^H K ^R	R-RSC ^R RRRR	HS ^C CHRR ^R HR	RG ^C RRSRRRR	RCRCRK ^C RR ^H	CH
PRM2_ALOSE	RRRLYRV ^H RR	QRRS ^C RRRC-	--CRY ^R RRR	RG ^C RT-RRRT	-----CR ^H R	--
PRM2_CALJA	RRRLYRV ^H RR	RRSR ^C RRRR	RS ^C RYRR ^R PR	RG ^C RSRRRR	-----CR ^Y	--
PRM2_SEMEN	RRRLYRV ^H RR	RHR ^S SCRRRR	RS ^C CHRR ^R HR	RG ^C RT-RRRR	-----CR ^Y	--
PRM2_ERYPA	QRRRLHRI ^H RR	RHR ^S SCRRRR	RS ^C CHRR ^R HR	RG ^C RT-RRRR	-----CR ^Y	--
PRM2_MACNE	RRRLHRI ^H RR	RHR ^S SCRRRR	RS ^C CHRR ^R HR	RG ^C RT-RRRR	-----CR ^H R	--
PRM2_MACFU	RRRLHRI ^H RR	RHR ^S SCRRRR	RS ^C CHRR ^R HR	RG ^C RT-RRRR	-----CR ^H R	--
PRM2_MACMU	RRRLHRI ^H RR	RHR ^S SCRRRR	RS ^C CHRR ^R HR	RG ^C RT-RRRR	-----CR ^H R	--
PRM2_GORGO	RRRLRRI ^H HRQ	QHR ^S SCRRRK ^R	RS ^C CHRR ^R HR	KG ^C RT-RRRT	-----CR ^H R	--
PRM2_PANPA	RRRLRRI ^H HRQ	QHR ^S SCRRRK ^R	RS ^C CHRR ^R HR	RG ^C RT-RRRT	-----CR ^K H	--
PRM2_PANTR	RRRLRRI ^H HRQ	QHR ^S SCRRRK ^R	RS ^C CHRR ^K HR	RG ^C RT-RRRT	-----CR ^H R	--
PRM2_HUMAN	RRRLHRI ^H RR	QHR ^S SCRRRK ^R	RS ^C CHRR ^R HR	RG ^C RT-RKRT	-----CR ^H R	--
PRM2_PONPY	RRRLHRI ^H HRQ	QHR ^S CKRRRR	HS ^C CHRR ^K HR	RG ^C RT-RRRT	-----CR ^H R	--
PRM2_HYLLA	RRRLHRI ^H HRQ	QHR ^S CGRRRR	RS ^C CR ^R RRHR	RG ^C RT-RRRR	-----CR ^H R	--

Supplemental Figure 3. Alignment of Eutherian P2 type sperm protamines.