Supplemental data:

**COMPARISON OF COMMON PLATELET RECEPTORS BETWEEN THE
CHACMA BABOON (*PAPIO URSINUS*) AND HUMAN FOR USE IN PRE-
CLINICAL HUMAN-TARGETED ANTI-PLATELET STUDIES**

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Primers used for in-house PCR reactions.

All exons and fragments not in these lists were successfully sequenced by a commercial diagnostic laboratory. All in-house primers were tested with human DNA to test reactivity. Primers shaded in grey were primers successful in amplifying baboon DNA. Unsuccessful primers are indicated with an asterisk. With unsuccessful reactions, numerous combinations of primers were used, with different cycling conditions to attempt to produce amplification.

Primers P2Y12		
Exon	Name	Sequence
1	P2Y12-Ex1F	CAC AAC AAA CAT CAT AGT GCT GAA
	P2Y12-Ex1R	CCA AAT AAA TCT GAT GCA TTA CCA
2	P2Y12-Ex2F	TGC ATA GCT TTG AGT CCA GTG
	P2Y12-Ex2R	CAA TTT TAA GAG AAA CTT GGA AAA A
3	P2Y12-Ex3FR1F	GGC TGA AAA TAA CCA TCC TCT C
	P2Y12-Ex3FR1R	AAG GAA AGA GCA TTT CTT CAC A
3	P2Y12-Ex3FR2F	GGC AGC CGA GAG ACA AGA
	P2Y12-Ex3FR2R	TGG CAA AAC TCT GCA AAA CA

For GPIIb exon 28 three different primer pairs (28SIIBF and 28ASIIBR; GPIIb Ex28-29F and GPIIb Ex28-29R; GPIIb Ex28F and GPIIb Ex28R) were used at different cycling conditions, using different concentrations of sample, primer, MgCl and DMSO.

Primers GPIIb		
Exon	Name	Sequence
1	1SIIBF	CCT GTG GAG GAA TCT GAA
	1ASIIBR	TCC TGC TCT CTC CCA ATA C
2*	2SIIBF	CTC ACC CAG CTT TCC TAT GC
	2SASIIBR	CTC TCC TTG CCT GGG ACT C
3*	3SIIBF	CTT CAG CGC CCC ACC CCT T
	3ASIIBR	GCG AGA CTT GGG CTC CTC CTG
13-18*	13-18IIBSF	GGG CCA AGT GCT GGT GTT C
	13-18IIBASR	CTC CAT GCA GCA CGA CAG
19*-21 (only 21)	19-21IIBSF	GAC TGT GGG GAA GAT GAC GT
	19-21IIBASR	CAC CAC CCT GGT CTC ATT CT
22-26*	22-26IIBSF	GTG AGC GTG GGG AAT CTG
	22-26IIBASR	CGA GAA CTG GAT CCT GAA GC
26*	26SIIBF	CCA ACC ACC GGG GCA CCT CTG T
	26ASIIBR	TCC CTC CTC CCA TCC CCT CTG C
28*	28SIIBF	CGG GTG TGG GAC CTG GAC
	28ASIIBR	CTT TTC TGG CTG GGC ACT G
2-3*	GPIIb Ex2-3_F	CTC ACC CAG CTT TCC TAT GC
	GPIIb Ex2-3_R	GTT CCC TGT GCC CTG TAC C
14-16*	GPIIb Ex14-16_F	CCT AAT CGC CAA TTC TGA CC
	GPIIb Ex14-16_R	CCC CTT CAT GCC ACT CAC
19*	GPIIb Ex19_F	CCA AGC CCA CTG TTT TCC TA
	GPIIb Ex19_R	GGG ACT AAG GTG TGG AGC AG
25-26*	GPIIb Ex25-26_F	GTG AGC GGG TCC TCA GAA CT
	GPIIb Ex25-26_R	GGC CAG AGA CCA GAG AGC
28-29*	GPIIb Ex28-29_F	GAC TCC TGC AAC CAA TAG GC
	GPIIb Ex28-29_R	GAC TCC ACC GTC CTT CAC AC
2-3	GPIIb Ex2-3F	GCT CAC CCA GCT TTC CTA TG
	GPIIb Ex2-3R	ATT GTT CCC TGT GCC CTG TA
14-15	GPIIb Ex 14-15F	AAC CCC TGG GAA GAT GAG AT
	GPIIb Ex 14-15R	AGA TCC TTT AAG GCC CAT GC
19	GPIIb Ex 19F	CCA AGC CCA CTG TTT TCC TA
	GPIIb Ex 19R	GGG ACT AAG GTG TGG AGC AG
25-26	GPIIb Ex25-26F	GTG AGC GGG TCC TCA GAA CT
	GPIIb Ex25-26R	GGC CAG AGA CCA GAG AGC
28*	GPIIb Ex28F	GAC TCC TGC AAC CAA TAG GC
	GPIIb Ex28R	GAC TGG TCT CTG CTC CAT CC

Primers GPIIIa		
Exon	Name	Sequence
10	IIIA-10AF	GGG CCC AAC TGT GTC TAA AT
	IIIA-10BR	AAG GGC GAT AGT CCT CCT C
11*	GPIIIa Ex 11_F	TAC AAG GGG GAG ATG TGC TC
	GPIIIa Ex 11_R	CCC CGG TCA AAC TTC TTA CA
12*	GPIIIa Ex 12_F	ATG GGG ACA CCT GTG AGA AG
	GPIIIa Ex 12_R	ACA ATT CAC TGC ATC CTT GC
11	GPIIIa Ex 11_F.1	CTT CCT GGG CTG TGT GTT TT
	GPIIIa Ex 11_R.1	GGC TCT CTC CAG ACT CCA CA
12	GPIIIa Ex 12_F.1	GGA GAT CAG AGC TGG ACT GG
	GPIIIa Ex 12_R.1	TAG AAC CTG GGT GTG TGC AA

For GPIb α the following primer combinations were used to try and sequence the missing region, without success: GPIba 2X.1F and GPIba 2X.1R, Iba Final F and Iba Final R, GPIba 2X.2 F and GPIba 2X.2 R, GPIba Ex2CF and GPIba 2.3R, GPIba 2.3F and GPIba Ex2_3R, GPIba 1_F and GPIba 2.3R, GPIa 2.3F and GPIba 2_R, GPIba 1_F and GPIba 2_R, GPIba 1_F and GPIba 1_R, GPIba 2_F and GPIba 2_R, GPIba 2.1F and GPIba 2.1R, as well as GPIba 2.2F and GPIba 2.2R. Gradient PCR cycling conditions, as well as different reagent concentrations, were used for all primer pairs.

Primers GPIb alpha		
Exon	Name	Sequence
2*	GPIba-32F	TCC ACT CAA GGC TCC CTT GC
	GPIba1349R	GCT TGT GGC AGA CAC CAG GAT GG
2*	GPIba1133F	CCA CTA CTG AAC CAA CCC CAA GC
	GPIba2273R	CAC AAC GAG TGC TCA CAT CC
2	GPIba-Ex2_3F	GGA TGT GAG CAC TCG TTG TG
	GPIba-Ex2_3R	GCT GGT CTC GAA CTC CCT AC
2	GPIba Ex2CF	CCT CCA AGA GAA CTC GCT GT
	GPIba Ex2CR	TGT CAC ACT GCA CAC TGG TC
2*	GPIba Ex2EF	TAC TGA ACC AAC CCC AAG C
	GPIba Ex2ER	CAA ATG CCC TTG GAG CAC
2	GPIba Ex2FF	CTT TTC TCC ACC CCG ACT TT
	GPIba Ex2FR	CTG TGT TCC TTA CCC CTC CA
2*	GPIb alpha Ex2 Rest_F	TCT CCA AAA CTC CAA AAT CCA
	GPIb alpha Ex2 Rest_R	CTG TGT TCC TTA CCC CTC CA
2*	GPIba 2.1F	CTA CTG AAC CAA CCC CAA GC
	GPIba 2.1R	TTG TGG CAG ACA CCA GGA T
2*	GPIba 2.2F	CAC TCC AAG CCC GAC CAC
	GPIba 2.2R	GCT TTG GTG GCT GAT CAA GT
2	GPIba 2.3F	CAC AAG CCT GAT CAC TCC AA
	GPIba 2.3R	GAG GAC CAC AGA GGC AAA GA
2	GPIba 2.4F	CTT TTC TCC ACC CCG ACT TT
	GPIba 2.4R	GAA CCT CGA AGG AAG AGC AG
2	GPIba 2.5F	CAC AAA CCA CAC ACC TGG AG
	GPIba 2.5R	TCC AAT AGG AGA GCC CAC AG
2*	GPIba 1_F	CTC ATA GCC CGT CCC AGA G
	GPIba 1_R	TTG GAG TGA TCA GGC TTG TG
2	GPIba 2_F	CTG CTC TTC CTT CGA GGT TC
	GPIba 2_R	TCC AAT AGG AGA GCC CAC AG
2*	GPIba 2X.1 F	ACG AGG ACA CTG AGG GTG AT
	GPIba 2X.1 R	GGT GGA TTC TAA GAG TGA TAC GG
2*	GPIba 2X.2_F	CCC TGG GCT TCT ATG TCT TG
	GPIba 2X.2_R	CTG TGT TCC TTA CCC CTC CA
2*	Iba Final F	CAC TAA GGA GCA GAC CAC ATT C
	Iba Final R	CAG AGG AGA CCC AAG ACA TAG A