

Supplemental Table 1:

Strains of the HMDP that were utilized in this study

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BXD24b/TyJ	BXA8/PgnJ	BXA14/PgnJ	KK/HIJ
BXH8/TyJ	CXB1/ByJ	BXD31/TyJ	BXH22/KccJ
BXD34/TyJ	CXB7/ByJ	129X1 / SvJ	AXB8/PgnJ
AXB13/PgnJ	C3H/HeJ	CXB11/HiAJ	BXH10/TyJ
BXD69/RwwJ	BXD44/RwwJ	BXH20/KccJ	FVB/NJ
AXB4/PgnJ	BTBRT<+>tf/J	BXD48A/RwwJ	AXB2/PgnJ
BXD28/TyJ	I/LnJ	BXD29/TyJ	MA/MyJ
BXH7/TyJ	BXD12/TyJ	BXD5/TyJ	C58 /J
BXH19/TyJ	NZW/LacJ	BXA16/PgnJ	BXD2/TyJ
CXB12/HiAJ	AXB23/PgnJ	NZB/BINJ	BXD61/RwwJ
BXD45/RwwJ	AXB15/PgnJ	BXD100/RwwJ	BXD75/RwwJ
AXB19a/PgnJ	BXA25/PgnJ	CE/J	BXA4/PgnJ
BXH9/TyJ	CXB9/HiAJ	SM/J	BXA13/PgnJ
AXB10/PgnJ	BXA7/PgnJ	BXD55/RwwJ	NOD/ShiLtJ
BXD63/RwwJ	CXB2/ByJ	BXD71/RwwJ	CBA/J
NOR/LtJ	BXD48/RwwJ	SWR/J	BXD39/TyJ
AXB19b/PgnJ	AXB5/PgnJ	BXA2/PgnJ	BXH2/TyJ
SEA/GnJ	BXH14/TyJ	C57L /J	BALB/cByJ
AXB1/PgnJ	NON/LtJ	RIIIS/J	BXD38/TyJ
BXH6/TyJ	LG/J	BXD11/TyJ	BXD1/TyJ
A /J	BXD40/TyJ	C57BL / 6J	C57BLKS/J
AXB24/PgnJ	BALB/cJ	BXD56/RwwJ	SJL/J
BXA12/PgnJ	BXD65/RwwJ	AKR/J	MRL/MpJ
AXB19/PgnJ	DBA/2J	BXD62/RwwJ	BUB/BnJ
BXA1/PgnJ	BXD67/RwwJ	AXB6/PgnJ	BXD60/RwwJ
BXD32/TyJ	PL/J	BXD49/RwwJ	BXD84/RwwJ