

Supplement 2. Probe sets for genes related to heat shock protein chaperones in serotonin neurons. All probe sets changed 2-fold or greater with E or E+P treatment compared to placebo treatment of OvX macaques.

Search	Mean Signal Intensity			Gene Identifier	Other ID	Gene Name
	OvX	E	E+P			
heat shock	361.4	8826.45	4517.7	CB552559	Mmu.8286.1.S1_s_at	gb:CB552559 DB_XREF=gi:31301754 DB_XREF=MMSP0025_B10 TID=Mmu.8286.1 CNT=4 FEA=EST TIER=ConsEnd STK=0 NOTE=sequence(s) clustered along genome
	93.1	1622.75	172.1	BQ807639	Mmu.1995.1.S1_s_at	gb:BQ807639 DB_XREF=gi:22031848 DB_XREF=NISC_kk07c01.y2 CLONE=IMAGE:5330688 TID=Mmu.1995.1 CNT=4 FEA=EST TIER=ConsEnd STK=0
	150.8	1879.75	986.15	AI582238	MmugDNA.30167.1.S1_at	gDNA.Hs.82689.0.S1 FEA=U133PSR GEN=TRA1 DEF=Orthologous to 200598_s_at tumor rejection antigen (gp96) 1
	615.65	6388.45	3249.95	CO648366	Mmu.156.2.S1_x_at	gb:CO648366 DB_XREF=gi:50569860 DB_XREF=ILLUMIGEN_MCQ_41712 CLONE=IBIUW:24543 TID=Mmu.156.2 CNT=3 FEA=EST TIER=ConsEnd STK=0
	61.65	641.7	258.35	CN648028	Mmu.11204.1.S1_s_at	gb:CN648028 DB_XREF=gi:47161471 DB_XREF=ILLUMIGEN_MCQ_29593 CLONE=IBIUW:7012 TID=Mmu.11204.1 CNT=14 FEA=EST TIER=ConsEnd STK=0
	140	1341.45	627.6	BG612458	MmugDNA.42578.1.S1_at	gDNA.Hs2.434250.1.S1 FEA=U133PSR GEN=HSPCB DEF=Orthologous to 1557910_at heat shock 90kDa protein 1, beta
	890.35	9712.5	2563.1	AF275719	MmugDNA.32274.1.S1_at	gDNA.g9082288 FEA=U133PSR GEN=HSPCB DEF=Orthologous to 200064_at heat shock 90kDa protein 1, beta heat shock 90kDa protein 1, beta
	238	2390.2	425.45	AF352832	MmugDNA.10102.1.S1_s_a	gDNA.g13273303 FEA=U133PSR GEN=HSPA8 DEF=Orthologous to 208687_x_at heat shock 70kDa protein 8
	878.7	6397.35	3740.95	CO648366	Mmu.156.2.S1_at	gb:CO648366 DB_XREF=gi:50569860 DB_XREF=ILLUMIGEN_MCQ_41712 CLONE=IBIUW:24543 TID=Mmu.156.2 CNT=3 FEA=EST TIER=ConsEnd STK=0
	226.15	1923.2	492.55	-	MmuSTS.602.1.S1_at	gi:47776716 DEF=HSPA1A_124 Rhesus macaque genomic DNA Macaca mulatta STS genomic clone MMA124, sequence tagged site. GEN=HSPA1A PROD=heat shock 70kD protein 1A
	142.35	835.05	387.55	AA043348	MmugDNA.37971.1.S1_at	gDNA.Hs.90093.2.S2 FEA=U133PSR GEN=HSPA4 DEF=Orthologous to 208814_at Heat shock 70kDa protein 4
	350.7	2178.75	738.5	NM_003299	MmugDNA.6621.1.S1_at	gDNA.g4507676 FEA=U133PSR GEN=TRA1 DEF=Orthologous to 200599_s_at tumor rejection antigen (gp96) 1
	247.4	1469.8	577.05	-	MmuSTS.603.1.S1_at	gi:47776717 DEF=HSPA1B_126 Rhesus macaque genomic DNA Macaca mulatta STS genomic clone MMA126, sequence tagged site. GEN=HSPA1B PROD=heat shock 70kD protein 1B
	156.95	709	363.8	AI718418	MmugDNA.23725.1.S1_at	gDNA.Hs.288799.0.S2 FEA=U133PSR GEN=STCH DEF=Orthologous to 202557_at stress 70 protein chaperone, microsome-associated, 60kDa
	49.95	50.95	277.95	NM_006948	MmugDNA.25340.1.S1_at	gDNA.g5902125 FEA=U133PSR GEN=STCH DEF=Orthologous to 202558_s_at stress 70 protein chaperone, microsome-associated, 60kDa
	629.35	2657.25	1392.25	NM_002156	MmugDNA.19456.1.S1_at	gDNA.g4504520 FEA=U133PSR GEN=HSPD1 DEF=Orthologous to 200807_s_at heat shock 60kDa protein 1 (chaperonin)
	2619.9	8581.7	6882.95	AI218219	MmugDNA.34686.1.S1_at	gDNA.Hs.74335.1.S1 FEA=U133PSR GEN=HSPCB DEF=Orthologous to 214359_s_at heat shock 90kDa protein 1, beta
	31.2	64.4	111.1	L12723	MmugDNA.4083.1.S1_s_a	gDNA.g292159 FEA=U133PSR GEN=HSPA4 DEF=Orthologous to 211015_s_at heat shock 70kDa protein 4
	90.65	345	158.3	AB023420	MmugDNA.42100.1.S1_at	gDNA.g4579908 FEA=U133PSR GEN=HSPA4 DEF=Orthologous to 208815_x_at heat shock 70kDa protein 4
	324.55	1210.7	548.7	NM_004134	MmugDNA.28475.1.S1_at	gDNA.g4758569 FEA=U133PSR GEN=HSPA9B DEF=Orthologous to 200692_s_at heat shock 70kDa protein 9B (mortalin-2)
	306.75	1177.55	431.85	-	MmuSTS.606.1.S1_at	gi:47776720 DEF=HSPA5_988 Rhesus macaque genomic DNA Macaca mulatta STS genomic clone MMA988, sequence tagged site. GEN=HSPA5 PROD=heat shock 70kD protein 5
	489.15	1451.7	1047.3	AF133207	MmugDNA.4113.1.S1_at	gDNA.g5901654 FEA=U133PSR GEN=HSPB8 DEF=Orthologous to 221667_s_at heat shock 22kDa protein 8
	150.5	505.05	261.3	BG403660	MmugDNA.34111.1.S1_s_a	gDNA.Hs.36927.1.S1 FEA=U133PSR GEN=HSPH1 DEF=Orthologous to 208744_x_at heat shock 105kDa 110kDa protein 1
	823.85	2680.25	1136.65	NM_001540	MmugDNA.37672.1.S1_s_a	gDNA.g4996892 FEA=U133PSR GEN=HSPB1 DEF=Orthologous to 201841_s_at heat shock 27kDa protein 1
	3298.5	8956.65	5590.05	AL575922	MmugDNA.34925.1.S1_at	gDNA.Hs.111779.1.S1 FEA=U133PSR GEN=SPARC DEF=Orthologous to 212667_at secreted protein, acidic, cysteine-rich (osteonectin)
	870.2	2062.4	1300.15	NM_001537	MmugDNA.20456.1.S1_at	gDNA.g4557646 FEA=U133PSR GEN=HSPB1 DEF=Orthologous to 200942_s_at heat shock factor binding protein 1
	578	1203.3	1020.95	NM_016126	MmugDNA.15386.1.S1_s_a	gDNA.g7706382 FEA=U133PSR GEN=C1orf41 DEF=Orthologous to 203960_s_at chromosome 1 open reading frame 41
	1014.2	2538.5	1326.65	NM_002157	MmugDNA.19457.1.S1_s_a	gDNA.g4504522 FEA=U133PSR GEN=HSPB1 DEF=Orthologous to 205133_s_at heat shock 10kDa protein 1 (chaperonin 10)
	340.8	723.1	500.4	NM_012267	MmugDNA.15176.1.S1_at	gDNA.g6912423 FEA=U133PSR GEN=HSPBP1 DEF=Orthologous to 202415_s_at hsp70-interacting protein
	668.5	1533.8	822.75	NM_012111	MmugDNA.13760.1.S1_at	gDNA.g6912279 FEA=U133PSR GEN=AHSA1 DEF=Orthologous to 201491_at AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)
	988.7	2296.5	1102.45	NM_006644	MmugDNA.14913.1.S1_at	gDNA.g5729878 FEA=U133PSR GEN=HSPH1 DEF=Orthologous to 206976_s_at heat shock 105kDa 110kDa protein 1
	72.65	145.9	20.75	BE256479	MmugDNA.36856.1.S1_at	gDNA.Hs.79037.0.A1 FEA=U133PSR GEN=HSPD1 DEF=Orthologous to 200806_s_at heat shock 60kDa protein 1 (chaperonin)
	190.25	111.1	92.65	NM_024610	MmugDNA.11653.1.S1_at	gDNA.g13375820 FEA=U133PSR GEN=HSPBAP1 DEF=Orthologous to 219284_at HSPB (heat shock 27kDa) associated protein 1
	236.2	107.7	130.4	AI150641	MmugDNA.37089.1.S1_at	gDNA.Hs.11455.0.A1 FEA=U133PSR GEN=HSPA12B DEF=Orthologous to 229172_at heat shock 70kD protein 12B
	297.95	110.8	212.75	NM_002155	MmugDNA.25285.1.S1_at	gDNA.Hs.3268.0.S1 FEA=U133PSR GEN=HSPA6 DEF=Orthologous to 213418_at heat shock 70kDa protein 6 (HSP70B)
	262.65	175.75	91.1	AK001829	MmugDNA.43136.1.S1_at	gDNA.Hs.139119.0.S1 FEA=U133PSR DEF=Orthologous to 232594_at Hypothetical gene supported by AK001829