

**Supplementary table 6: DAVID analysis of over-represented gene categories of differentially expressed genes in the spermathecae at two time points (3 and 6 hours) post-mating.**

**Three hour spermathecae compared to virgin spermathecae**

	Category	GO Term	%	PValue	Genes (Affy IDs)	
up regulated	GOTERM_BP_ALL	amino acid metabolism	6.9%	0.02	1631953_at, 1635547_a_at, 1638511_at, 1633765_at, 1634522_s_at, 1640984_s_at, 1623787_at,	
	GOTERM_BP_ALL	lipid biosynthesis	4.6%	0.02	1628292_s_at, 1628177_at, 1630119_s_at, 1636576_s_at, 1628240_at,	
	GOTERM_BP_ALL	lipid metabolism	9.2%	0.00	1628292_s_at, 1637833_at, 1626079_a_at, 1631783_at, 1628177_at, 1629969_at, 1630119_s_at, 1636576_s_at, 1628240_at,	
	GOTERM_BP_ALL	organic acid metabolism	8.1%	0.02	1631953_at, 1628292_s_at, 1635547_a_at, 1638511_at, 1633765_at, 1634522_s_at, 1640984_s_at, 1623787_at,	
	GOTERM_BP_ALL	carboxylic acid metabolism	8.1%	0.02	1631953_at, 1628292_s_at, 1635547_a_at, 1638511_at, 1633765_at, 1634522_s_at, 1640984_s_at, 1623787_at,	
	GOTERM_BP_ALL	amino acid and derivative metabolism	6.9%	0.03	1631953_at, 1635547_a_at, 1638511_at, 1633765_at, 1634522_s_at, 1640984_s_at, 1623787_at,	
	GOTERM_BP_ALL	biosynthesis	14.9%	0.03	1628292_s_at, 1635547_a_at, 1638511_at, 1628177_at, 1634522_s_at, 1628594_at, 1626456_a_at, 1630119_s_at, 1636576_s_at, 1640984_s_at, 1628240_at,	
	GOTERM_BP_ALL	cellular biosynthesis	13.8%	0.04	1631953_at, 1628292_s_at, 1633463_s_at, 1635547_a_at, 1638511_at, 1628177_at, 1633765_at, 1628594_at, 1634522_s_at, 1626456_a_at, 1628866_at, 1630119_s_at,	
	GOTERM_BP_ALL	cellular lipid metabolism	6.9%	0.04	1628292_s_at, 1637833_at, 1626079_a_at, 1628177_at, 1630119_s_at, 1636576_s_at, 1628240_at,	
	GOTERM_BP_ALL	juvenile hormone metabolism	2.3%	0.05	1637833_at, 1628177_at,	
	GOTERM_BP_ALL	sesquiterpenoid metabolism	2.3%	0.05	1637833_at, 1628177_at,	
	GOTERM_BP_ALL	sesquiterpene metabolism	2.3%	0.05	1637833_at, 1628177_at,	
	GOTERM_MF_ALL	catalytic activity	40.2%	0.01	1637814_s_at, 1639542_at, 1635547_a_at, 1638511_at, 1628177_at, 1629969_at, 1634522_s_at, 1628594_at, 1626456_a_at, 1626196_at, 1631222_at, 1628292_s_at,	
	GOTERM_MF_ALL	nucleotide binding	13.8%	0.04	1636741_s_at, 1624191_at, 1627840_a_at, AFFX-r2-Dros-Act5C-M_s_at, 1635547_a_at, 1638511_at, 1631244_a_at, 1639719_at, 1624042_at, 1628194_at,	
	down regulated	GOTERM_BP_ALL	lipid metabolism	18.3%	0.00	1628052_at, 163893_at, 1637257_at, 1641108_at, 1639901_a_at, 1629547_at, 1635522_a_at, 1624971_at, 1631533_at, 1627854_at, 1633639_at, 1625491_at,
		GOTERM_BP_ALL	cellular lipid metabolism	14.3%	0.00	1628052_at, 1637257_at, 1641108_at, 1639901_a_at, 1631533_at, 1627854_at, 1633639_at, 1625491_at, 1627662_at, 1624101_at, 1623068_at, 1639637_a_at,
		GOTERM_BP_ALL	metabolism	67.5%	0.00	1628052_at, 163893_at, 1635450_a_at, 1636973_at, 1628611_at, 1633592_a_at, 1627117_a_at, 1633086_s_at, 1630044_s_at, 1624971_at, 1631533_at, 1627854_at,
		GOTERM_BP_ALL	steroid metabolism	7.9%	0.00	1628052_at, 1623068_at, 1639901_a_at, 1625873_at, 1641191_s_at, 1636579_s_at, 1633639_at, 1631533_at, 1627662_at, 1624101_at,
		GOTERM_BP_ALL	generation of precursor metabolites and	15.9%	0.00	1633401_s_at, 1628052_at, 1637309_a_at, 1626022_at, 1633401_s_at, 1639069_at, 1635450_a_at, 1636973_at, 1639901_a_at, 1634374_at, 1625434_at, 1639069_at,
		GOTERM_BP_ALL	carbohydrate metabolism	15.1%	0.00	1630066_at, 1641681_s_at, 1634374_at, 1625486_a_at, 1633086_s_at, 1630044_s_at, 1629903_at, 1627662_at, 1624586_a_at, 1636976_at, 1623288_s_at,
GOTERM_BP_ALL		electron transport	12.7%	0.00	1633401_s_at, 1628052_at, 1637309_a_at, 1626022_at, 1633401_s_at, 1639069_at, 1635450_a_at, 1636973_at, 1639901_a_at, 1625434_at, 1631533_at,	
GOTERM_BP_ALL		secondary metabolism	5.6%	0.00	1624873_at, 1625835_at, 1640462_at, 1637370_at, 1627773_a_at, 1624586_a_at, 1626414_at,	
GOTERM_BP_ALL		polysaccharide metabolism	7.9%	0.00	1631549_s_at, 1625873_at, 1630066_at, 1641191_s_at, 1633218_a_at, 1634374_at, 1630044_s_at, 1641389_at, 1632955_at, 1627662_at,	
GOTERM_BP_ALL		carboxylic acid metabolism	11.1%	0.00	1637257_at, 1637826_at, 1641108_at, 1625835_at, 1628611_at, 1624836_at, 1637370_at, 1631266_a_at, 1627854_at, 1631452_at, 1636579_s_at, 1626953_at,	
GOTERM_BP_ALL		organic acid metabolism	11.1%	0.00	1637257_at, 1637826_at, 1641108_at, 1625835_at, 1628611_at, 1624836_at, 1637370_at, 1631266_a_at, 1627854_at, 1631452_at, 1636579_s_at, 1626953_at,	
GOTERM_BP_ALL		defense response	11.9%	0.00	1630066_at, 1623851_at, 1635522_a_at, 1625486_a_at, 1639868_at, 1631628_s_at, 1627662_at, 1631628_s_at, 1629789_at, 1631628_s_at, 1625873_at, 1639069_at,	
GOTERM_BP_ALL		response to biotic stimulus	11.9%	0.00	1630066_at, 1623851_at, 1635522_a_at, 1625486_a_at, 1639868_at, 1631628_s_at, 1627662_at, 1631628_s_at, 1629789_at, 1631628_s_at, 1625873_at, 1639069_at,	
GOTERM_BP_ALL		response to toxin	5.6%	0.00	1625873_at, 1630066_at, 1641191_s_at, 1627773_a_at, 1639868_at, 1627662_at, 1626414_at,	
GOTERM_BP_ALL		transport	27.8%	0.00	1633573_a_at, 1628052_at, 1637309_a_at, 1626022_at, 1626641_s_at, 1633893_at, 1635450_a_at, 1636973_at, 1639901_a_at, 1625947_at, 1625434_at, 1639069_at,	
GOTERM_BP_ALL		amino acid metabolism	7.9%	0.00	1637826_at, 1625835_at, 1624836_at, 1631452_at, 1628611_at, 1637370_at, 1636579_s_at, 1626953_at, 1631266_a_at, 1626147_s_at,	
GOTERM_BP_ALL		pigment metabolism	4.0%	0.00	1624873_at, 1625835_at, 1640462_at, 1637370_at, 1624586_a_at,	
GOTERM_BP_ALL		amino acid and derivative metabolism	7.9%	0.00	1637826_at, 1625835_at, 1624836_at, 1631452_at, 1628611_at, 1637370_at, 1636579_s_at, 1626953_at, 1631266_a_at, 1626147_s_at,	
GOTERM_BP_ALL		glucan metabolism	2.4%	0.00	1634374_at, 1630044_s_at, 1632955_at,	
GOTERM_BP_ALL		glycogen metabolism	2.4%	0.00	1634374_at, 1630044_s_at, 1632955_at,	
GOTERM_BP_ALL		amine metabolism	9.5%	0.00	1637826_at, 1631549_s_at, 1625835_at, 1624836_at, 1631452_at, 1628611_at, 1637370_at, 1636579_s_at, 1641389_at, 1626953_at, 1631266_a_at, 1626147_s_at,	
GOTERM_BP_ALL		nitrogen compound metabolism	9.5%	0.01	1637826_at, 1631549_s_at, 1625835_at, 1624836_at, 1631452_at, 1628611_at, 1637370_at, 1636579_s_at, 1641389_at, 1626953_at, 1631266_a_at, 1626147_s_at,	
GOTERM_BP_ALL		cellular lipid catabolism	2.4%	0.01	1639637_a_at, 1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		cellular metabolism	55.6%	0.01	1628052_at, 163893_at, 1635450_a_at, 1636973_at, 1628611_at, 1633592_a_at, 1630044_s_at, 1631533_at, 1624101_at, 1632114_at, 1636976_at, 1631628_s_at,	
GOTERM_BP_ALL		cellular carbohydrate metabolism	7.9%	0.01	1631549_s_at, 1641681_s_at, 1625486_a_at, 1634374_at, 1630044_s_at, 1641389_at, 1632955_at, 1624586_a_at, 1641446_s_at, 1636976_at,	
GOTERM_BP_ALL		establishment of localization	28.6%	0.01	1633573_a_at, 1628052_at, 1637309_a_at, 1626022_at, 1626641_s_at, 1633893_at, 1635450_a_at, 1636973_at, 1639901_a_at, 1625947_at, 1629819_s_at,	
GOTERM_BP_ALL		localization	28.6%	0.01	1633573_a_at, 1628052_at, 1637309_a_at, 1626022_at, 1626641_s_at, 1633893_at, 1635450_a_at, 1636973_at, 1639901_a_at, 1625947_at, 1629819_s_at,	
GOTERM_BP_ALL		pigment biosynthesis	3.2%	0.01	1624873_at, 1625835_at, 1637370_at, 1624586_a_at,	
GOTERM_BP_ALL		heterocycle metabolism	4.8%	0.02	1624873_at, 1625835_at, 1640462_at, 1631452_at, 1637370_at, 1624586_a_at,	
GOTERM_BP_ALL		primary metabolism	53.2%	0.02	1628052_at, 163893_at, 1628611_at, 1633592_a_at, 1633086_s_at, 1624971_at, 1630044_s_at, 1631533_at, 1629903_at, 1624101_at, 1636976_at, 1639637_a_at,	
GOTERM_BP_ALL		lipid transport	3.2%	0.02	1634583_s_at, 1625947_at, 1635522_a_at, 1624971_at,	
GOTERM_BP_ALL		aromatic compound metabolism	4.8%	0.02	1624873_at, 1625835_at, 1631452_at, 1637370_at, 1627773_a_at, 1624586_a_at,	
GOTERM_BP_ALL		glucan biosynthesis	1.6%	0.03	1630044_s_at, 1632955_at,	
GOTERM_BP_ALL		glycogen biosynthesis	1.6%	0.03	1630044_s_at, 1632955_at,	
GOTERM_BP_ALL		alkene catabolism	1.6%	0.04	1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		polysoprenoid catabolism	1.6%	0.04	1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		sesquiterpenoid catabolism	1.6%	0.04	1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		sesquiterpene catabolism	1.6%	0.04	1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		terpenoid catabolism	1.6%	0.04	1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		juvenile hormone catabolism	1.6%	0.04	1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		terpene catabolism	1.6%	0.04	1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		isoprenoid catabolism	1.6%	0.04	1627773_a_at, 1626414_at,	
GOTERM_BP_ALL		cellular physiological process	67.5%	0.05	1633573_a_at, 1628052_at, 163893_at, 1635450_a_at, 1636973_at, 1628611_at, 1633592_a_at, 1633086_s_at, 1624971_at, 1630044_s_at, 1631533_at, 1627854_at,	
GOTERM_MF_ALL		catalytic activity	58.7%	0.00	1628052_at, 163893_at, 1632636_at, 1628611_at, 1627117_a_at, 1630044_s_at, 1639868_at, 1631533_at, 1629903_at, 1624101_at, 1632114_at, 1636976_at,	
GOTERM_MF_ALL		monooxygenase activity	10.3%	0.00	1633401_s_at, 1628052_at, 1637309_a_at, 1626022_at, 1633401_s_at, 1639069_at, 1639901_a_at, 1631533_at, 1633639_at, 1639495_at, 1624101_at, 1630119_s_at,	
GOTERM_MF_ALL		oxidoreductase activity	19.1%	0.00	1633401_s_at, 1628052_at, 1637309_a_at, 1626022_at, 1633401_s_at, 1639069_at, 1641108_at, 1639901_a_at, 1625588_s_at, 1627117_a_at, 1625434_at,	
GOTERM_MF_ALL		electron transporter activity	9.5%	0.00	1633401_s_at, 1628052_at, 1623068_at, 1637309_a_at, 1626022_at, 1633401_s_at, 1639069_at, 1629771_at, 1639901_a_at, 1633639_at, 1631533_at, 1630119_s_at,	
GOTERM_MF_ALL		transporter activity	23.0%	0.00	1633573_a_at, 1628052_at, 1626641_s_at, 1637309_a_at, 1626022_at, 1639901_a_at, 1625947_at, 1633086_s_at, 1624971_at, 1631533_at, 1629903_at, 1639069_at,	
GOTERM_MF_ALL		heme binding	4.8%	0.00	1637309_a_at, 1626022_at, 1626641_s_at, 1641108_at, 1639495_at, 1632114_at, 1624101_at,	
GOTERM_MF_ALL		tetrapyrrole binding	4.8%	0.00	1637309_a_at, 1626022_at, 1626641_s_at, 1641108_at, 1639495_at, 1632114_at, 1624101_at,	
GOTERM_MF_ALL	glucuronosyltransferase activity	3.2%	0.00	1625873_at, 1630066_at, 1641191_s_at, 1627662_at,		
GOTERM_MF_ALL	hydrolase activity	24.6%	0.00	163893_at, 1632636_at, 1634374_at, 1636900_at, 1629903_at, 1629789_at, 1636976_at, 1639637_a_at, 1628373_at, 1633540_at, 1623298_at, 1625986_at,		
GOTERM_MF_ALL	transferase activity, transferring glycosyl	5.6%	0.01	1625873_at, 1630066_at, 1641191_s_at, 1634374_at, 1630044_s_at, 1624586_a_at, 1627662_at,		
GOTERM_MF_ALL	UDP-glycosyltransferase activity	4.0%	0.01	1625873_at, 1630066_at, 1641191_s_at, 1630044_s_at, 1627662_at,		
GOTERM_MF_ALL	iron ion binding	4.8%	0.01	1637309_a_at, 1626022_at, 1626641_s_at, 1641108_at, 1639495_at, 1632114_at, 1624101_at,		
GOTERM_MF_ALL	transferase activity, transferring hexosyl	4.8%	0.01	1625873_at, 1630066_at, 1641191_s_at, 1634374_at, 1630044_s_at, 1627662_at,		
GOTERM_MF_ALL	monocarboxylic acid transporter activity	2.4%	0.01	1624873_at, 1638282_at, 1636747_at,		
GOTERM_MF_ALL	electrochemical potential-driven transpo	5.6%	0.02	1624836_at, 1626734_at, 1633086_s_at, 1628721_at, 1624971_at, 1638282_at, 1636747_at,		
GOTERM_MF_ALL	porter activity	5.6%	0.02	1624836_at, 1626734_at, 1633086_s_at, 1628721_at, 1624971_at, 1638282_at, 1636747_at,		
GOTERM_MF_ALL	dopachrome isomerase activity	1.6%	0.02	1625835_at, 1637370_at,		
GOTERM_MF_ALL	epoxide hydrolase activity	1.6%	0.03	1627773_a_at, 1626414_at,		
GOTERM_MF_ALL	carboxylic acid transporter activity	3.2%	0.04	1624873_at, 1624836_at, 1638282_at, 1636747_at,		
GOTERM_MF_ALL	organic acid transporter activity	3.2%	0.04	1624873_at, 1624836_at, 1638282_at, 1636747_at,		
GOTERM_MF_ALL	leukotriene-A4 hydrolase activity	1.6%	0.04	1627773_a_at, 1626414_at,		
GOTERM_MF_ALL	ether hydrolase activity	1.6%	0.04	1627773_a_at, 1626414_at,		
GOTERM_MF_ALL	phosphoric ester hydrolase activity	4.8%	0.05	1639637_a_at, 1623241_s_at, 1633200_at, 1633540_at, 1636888_a_at, 1641446_s_at,		
GOTERM_MF_ALL	monocarboxylate porter activity	1.6%	0.05	1638282_at, 1636747_at,		
GOTERM_MF_ALL	peroxidase activity	2.4%	0.05	1631628_s_at, 1631628_s_at, 1631628_s_at,		

GOTERM\_MF\_ALL oxidoreductase activity, acting on peroxi 2.4% 0.05 1631628\_s\_at,1631628\_s\_at,1631628\_s\_at,

**Six hour spermathecae compared to virgin spermathecae**

	Category	GO Term	%	PValue	Genes
up regulated	GOTERM_MF_ALL	hydrolase activity, acting on carbon-nitrc	5.6%	0.02	1629118_at,1623486_at,1636507_at,
	GOTERM_BP_ALL	juvenile hormone metabolism	3.7%	0.03	1637833_at,1628177_at,
	GOTERM_BP_ALL	sesquiterpenoid metabolism	3.7%	0.03	1637833_at,1628177_at,
	GOTERM_BP_ALL	sesquiterpene metabolism	3.7%	0.03	1637833_at,1628177_at,
	GOTERM_BP_ALL	polyisoprenoid metabolism	3.7%	0.04	1637833_at,1628177_at,
	GOTERM_BP_ALL	terpenoid metabolism	3.7%	0.04	1637833_at,1628177_at,
	GOTERM_BP_ALL	alkene metabolism	3.7%	0.04	1637833_at,1628177_at,
	GOTERM_BP_ALL	terpene metabolism	3.7%	0.04	1637833_at,1628177_at,
	GOTERM_MF_ALL	hydrolase activity, acting on carbon-nitrc	5.6%	0.05	1629118_at,1623486_at,1636507_at,
down regulated	GOTERM_MF_ALL	monoxygenase activity	9.8%	0.00	1633401_s_at,1623068_at,1626022_at,1637309_a_at,1639069_at,1633401_s_at,1626953_at,
	GOTERM_BP_ALL	electron transport	13.7%	0.00	1633401_s_at,1623068_at,1626022_at,1637309_a_at,1639069_at,1633401_s_at,1635450_a_at,1636973_at,1625434_at,1626953_at,
	GOTERM_BP_ALL	generation of precursor metabolites and	13.7%	0.01	1633401_s_at,1623068_at,1626022_at,1637309_a_at,1639069_at,1633401_s_at,1635450_a_at,1636973_at,1625434_at,1626953_at,
	GOTERM_BP_ALL	response to abiotic stimulus	11.8%	0.01	1641191_s_at,1629819_s_at,1640350_at,1641598_at,1627662_at,1626414_at,
	GOTERM_BP_ALL	response to chemical stimulus	9.8%	0.02	1641191_s_at,1640350_at,1641598_at,1627662_at,1626414_at,
	GOTERM_BP_ALL	lipid metabolism	11.8%	0.03	1623068_at,1641191_s_at,1641598_at,1627662_at,1640006_at,1626414_at,
	GOTERM_BP_ALL	cellular lipid metabolism	9.8%	0.03	1623068_at,1641191_s_at,1627662_at,1640006_at,1626414_at,
	GOTERM_BP_ALL	establishment of localization	27.5%	0.03	1633401_s_at,1626022_at,1637309_a_at,1635450_a_at,1636973_at,1639069_at,1633401_s_at,1629819_s_at,1625434_at,1627410_at,1641598_at,1641598_at,1641598_at,1641598_at,
	GOTERM_BP_ALL	localization	27.5%	0.04	1633401_s_at,1626022_at,1637309_a_at,1635450_a_at,1636973_at,1639069_at,1633401_s_at,1629819_s_at,1625434_at,1627410_at,1641598_at,1641598_at,1641598_at,
	GOTERM_MF_ALL	electron transporter activity	7.8%	0.04	1633401_s_at,1623068_at,1626022_at,1637309_a_at,1639069_at,1633401_s_at,
	GOTERM_BP_ALL	response to stimulus	17.7%	0.05	1623851_at,1641191_s_at,1629819_s_at,1625986_at,1640350_at,1635210_a_at,1641598_at,1627662_at,1626414_at,
	GOTERM_BP_ALL	programmed cell death	7.8%	0.05	1634440_s_at,1636274_at,1640020_at,1641598_at,
	GOTERM_BP_ALL	cell death	7.8%	0.05	1634440_s_at,1636274_at,1640020_at,1641598_at,

**Six hour spermathecae compared to 3 hour spermathecae**

	Category	GO Term	%	PValue	Genes
up regulated	No Up regulated gene categories				
down regulated	GOTERM_MF_ALL	polypeptide N-acetylgalactosaminytrans	20.0%	0.01	1633463_s_at,1635173_at,
	GOTERM_MF_ALL	acetylgalactosaminytransferase activity	20.0%	0.01	1633463_s_at,1635173_at,
	GOTERM_BP_ALL	carbohydrate metabolism	30.0%	0.05	1633463_s_at,1635173_at,1631222_at,

1631953\_at, 1633463\_s\_at, 1633765\_at, 1628866\_at,  
7119\_s\_at, 1636576\_s\_at, 1640984\_s\_at,

40\_at, 1631953\_at, 1633463\_s\_at, 1637833\_at, 1623158\_s\_at, 1623692\_s\_at, 1633765\_at, 1623787\_at, 1630865\_s\_at, 1623051\_at, 1633354\_at, 1627840\_a\_at, 1626079\_a\_at, 1624042\_at, 1629705\_at, 1631205\_a\_at, 1628215\_s\_at, 1629322\_at, 1630119\_s\_at, 1636576\_s\_at, 1640984\_s\_at, 1624  
1634522\_s\_at, 1624798\_s\_at, 1634722\_s\_at, 1640984\_s\_at,  
\_at, 1627662\_at, 1624101\_at, 1634583\_s\_at, 1639637\_a\_at, 1623068\_at, 1625873\_at, 1641191\_s\_at, 1627773\_a\_at, 1636579\_s\_at, 1625795\_a\_at, 1626414\_at,  
\_at, 1625873\_at, 1641191\_s\_at, 1627773\_a\_at, 1636579\_s\_at, 1625795\_a\_at, 1626414\_at,  
629903\_at, 1636976\_at, 1632114\_at, 1624101\_at, 1639637\_a\_at, 1631628\_s\_at, 1625873\_at, 1641191\_s\_at, 1626734\_at, 1633218\_a\_at, 1623298\_at, 1625986\_at, 1641389\_at, 1625795\_a\_at, 1626414\_at, 1633401\_s\_at, 1624873\_at, 1623241\_s\_at, 1637257\_at, 1624836\_at, 1637370\_at, 1631628

630044\_s\_at, 1631533\_at, 1631266\_a\_at, 1633639\_at, 1639495\_at, 1632114\_at, 1624101\_at, 1623068\_at, 1629771\_at, 1626953\_at, 1632955\_at, 1641446\_s\_at,  
1631549\_s\_at, 1625873\_at, 1641191\_s\_at, 1626734\_at, 1633218\_a\_at, 1641389\_at, 1632955\_at, 1641446\_s\_at,  
631266\_a\_at, 1633639\_at, 1639495\_at, 1624101\_at, 1632114\_at, 1623068\_at, 1629771\_at, 1626953\_at,

\_at, 1626147\_s\_at, 1625795\_a\_at,  
\_at, 1626147\_s\_at, 1625795\_a\_at,  
541191\_s\_at, 1627773\_a\_at, 1635210\_a\_at, 1626414\_at,  
541191\_s\_at, 1627773\_a\_at, 1635210\_a\_at, 1626414\_at,

633086\_s\_at, 1624971\_at, 1631533\_at, 1636747\_at, 1624101\_at, 1632114\_at, 1626734\_at, 1625986\_at, 1638592\_at, 1633401\_s\_at, 1624873\_at, 1633401\_s\_at, 1639069\_at, 1624836\_at, 1635522\_a\_at, 1628721\_at, 1623191\_at, 1631266\_a\_at, 1633639\_at, 1639495\_at, 1634583\_s\_at, 1623068\_a

47\_s\_at,  
47\_s\_at,

28\_s\_at, 1639637\_a\_at, 1625873\_at, 1641191\_s\_at, 1623298\_at, 1625986\_at, 1641389\_at, 1625795\_a\_at, 1626414\_at, 1624873\_at, 1633401\_s\_at, 1623241\_s\_at, 1637257\_at, 1624836\_at, 1637370\_at, 1631628\_s\_at, 1631266\_a\_at, 1625491\_at, 1626271\_at, 1623068\_at, 1629771\_at, 1631549\_s  
, 1625434\_at, 1633086\_s\_at, 1624971\_at, 1631533\_at, 1636747\_at, 1624101\_at, 1632114\_at, 1626734\_at, 1625986\_at, 1638592\_at, 1633401\_s\_at, 1624873\_at, 1633401\_s\_at, 1639069\_at, 1624836\_at, 1635522\_a\_at, 1628721\_at, 1623191\_at, 1631266\_a\_at, 1633639\_at, 1639495\_at, 1634583\_s  
, 1625434\_at, 1633086\_s\_at, 1624971\_at, 1631533\_at, 1636747\_at, 1624101\_at, 1632114\_at, 1626734\_at, 1625986\_at, 1638592\_at, 1633401\_s\_at, 1624873\_at, 1633401\_s\_at, 1639069\_at, 1624836\_at, 1635522\_a\_at, 1628721\_at, 1623191\_at, 1631266\_a\_at, 1633639\_at, 1639495\_at, 1634583\_s

37\_a\_at, 1625873\_at, 1641191\_s\_at, 1626734\_at, 1623298\_at, 1633218\_a\_at, 1625986\_at, 1641389\_at, 1625795\_a\_at, 1626414\_at, 1623241\_s\_at, 1637257\_at, 1624836\_at, 1637370\_at, 1631266\_a\_at, 1625491\_at, 1626271\_at, 1634583\_s\_at, 1623068\_at, 1632688\_s\_at, 1631549\_s\_at, 1631452

636976\_at, 1632114\_at, 1624101\_at, 1639637\_a\_at, 1631628\_s\_at, 1625873\_at, 1641191\_s\_at, 1626734\_at, 1623298\_at, 1625986\_at, 1641389\_at, 1625795\_a\_at, 1626414\_at, 1624873\_at, 1633401\_s\_at, 1623241\_s\_at, 1637257\_at, 1624836\_at, 1637370\_at, 1631628\_s\_at, 1631266\_a\_at, 16254  
\_at, 1631628\_s\_at, 1639637\_a\_at, 1625873\_at, 1641191\_s\_at, 1623298\_at, 1633218\_a\_at, 1625986\_at, 1625795\_a\_at, 1626414\_at, 1633401\_s\_at, 1623241\_s\_at, 1637257\_at, 1637370\_at, 1631628\_s\_at, 1631266\_a\_at, 1625491\_at, 1626271\_at, 1634583\_s\_at, 1623068\_at, 1629771\_at, 1631549  
2114\_at, 1623068\_at, 1629771\_at, 1626953\_at,  
. 1631628\_s\_at, 1633639\_at, 1631533\_at, 1631266\_a\_at, 1627854\_at, 1639495\_at, 1632114\_at, 1624101\_at, 1631628\_s\_at, 1631628\_s\_at, 1623068\_at, 1629771\_at, 1640462\_at, 1631452\_at, 1626953\_at,  
7495\_at, 1632114\_at, 1624101\_at,  
624101\_at, 1632114\_at, 1636747\_at, 1626734\_at, 1625986\_at, 1625795\_a\_at, 1633401\_s\_at, 1624873\_at, 1633401\_s\_at, 1639069\_at, 1624836\_at, 1628721\_at, 1633639\_at, 1639495\_at, 1634583\_s\_at, 1623068\_at, 1635073\_at, 1625023\_a\_at, 1629771\_at, 1638282\_at,

t, 1635210\_a\_at, 1638592\_at, 1641446\_s\_at, 1626414\_at, 1623241\_s\_at, 1625486\_a\_at, 1623191\_at, 1624586\_a\_at, 1625491\_at, 1626271\_at, 1635033\_at, 1634583\_s\_at, 1640918\_at, 1631549\_s\_at, 1633200\_at, 1634468\_at, 1627773\_a\_at, 1636888\_a\_at, 1628716\_at,

523777\_s\_at, 1623068\_at, 1625023\_a\_at, 1625986\_at, 1636888\_a\_at, 1626953\_at,  
523777\_s\_at, 1623068\_at, 1625023\_a\_at, 1625986\_at, 1636888\_a\_at, 1626953\_at.