

Raw data: Control (C) females from Expt. I

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	Total Time on Left Side of Tank (s)	Total Time on Right Side of Tank (s)	total time in a pref zone
C1	312	628	482	458	940
C1	388	544	439	493	932
C3	402	488	518	372	890
C4	313	503	385	431	816
C5	386	444	326	504	830
C6	318	400	422	296	718
C7	201	518	322	397	719
C8	322	511	515	318	833
C9	266	488	384	370	754
C10	384	484	536	332	868
C11	334	507	338	503	841
C12	414	501	416	499	915
C13	311	536	556	291	847
C14	492	488	470	510	980
C15	288	515	377	426	803
C16	422	398	531	289	820
C17	435	510	402	543	945
C18	327	487	391	423	814
C19	463	287	387	363	750
C20	406	399	519	286	805

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	Diff Score control females		Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	total time w/dummies control females
C1	312	628	-316		312	628	940
C1	388	544	-156		388	544	932
C3	402	488	-86		402	488	890
C4	313	503	-190		313	503	816
C5	386	444	-58		386	444	830
C6	318	400	-82		318	400	718
C7	201	518	-317		201	518	719
C8	322	511	-189		322	511	833
C9	266	488	-222		266	488	754
C10	384	484	-100		384	484	868
C11	334	507	-173		334	507	841
C12	414	501	-87		414	501	915
C13	311	536	-225		311	536	847
C14	492	488	4		492	488	980
C15	288	515	-227		288	515	803
C16	422	398	24		422	398	820
C17	435	510	-75		435	510	945
C18	327	487	-160		327	487	814
C19	463	287	176		463	287	750
C20	406	399	7		406	399	805

Raw data: High dose (HD) females from Expt. I

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	Total Time on Left Side of Tank (s)	Total Time on Right Side of Tank (s)
HD1	349	460	450	359
HD2	364	377	372	369
HD3	279	438	338	379
HD4	369	349	337	381
HD5	349	427	333	443
HD6	268	360	449	179
HD7	262	231	331	162
HD8	350	360	332	378
HD9	316	263	263	316
HD10	313	437	460	290
HD11	338	394	172	560
HD12	231	363	439	155
HD13	316	331	466	181
HD14	442	398	249	591
HD15	364	261	334	291
HD16	335	366	281	420
HD17	452	260	350	362
HD18	277	349	303	323
HD19	413	313	338	388
HD20	411	359	372	398

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	Diff score HD females	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	total time w/ dummies HD females
HD1	349	460	-111	349	460	809
HD2	364	377	-13	364	377	741
HD3	279	438	-159	279	438	717
HD4	369	349	20	369	349	718
HD5	349	427	-78	349	427	776
HD6	268	360	-92	268	360	628
HD7	262	231	31	262	231	493
HD8	350	360	-10	350	360	710
HD9	316	263	53	316	263	579
HD10	313	437	-124	313	437	750
HD11	338	394	-56	338	394	732
HD12	231	363	-132	231	363	594
HD13	316	331	-15	316	331	647
HD14	442	398	44	442	398	840
HD15	364	261	103	364	261	625
HD16	335	366	-31	335	366	701
HD17	452	260	192	452	260	712
HD18	277	349	-72	277	349	626
HD19	413	313	100	413	313	726
HD20	411	359	52	411	359	770

Raw data: Low dose (LD) females from Expt. I

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	Total Time on Left Side of Tank (s)	Total Time on Right Side of Tank (s)
LD1	512	250	422	340
LD2	437	314	344	407
LD3	401	288	411	278
LD4	427	203	311	319
LD5	311	304	263	352
LD6	321	205	299	227
LD7	381	155	255	281
LD8	418	222	402	238
LD9	292	266	234	324
LD10	422	234	400	256
LD11	417	202	288	331
LD12	418	304	313	409
LD13	401	275	422	253
LD14	388	392	408	372
LD15	315	288	284	319
LD16	375	275	451	199
LD17	410	335	300	445
LD18	312	277	251	338
LD19	122	388	233	277
LD20	294	311	318	287

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	diff score LD females		Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	total time w/ dummies LD females
LD1	512	250	262		512	250	762
LD2	437	314	123		437	314	751
LD3	401	288	113		401	288	689
LD4	427	203	224		427	203	630
LD5	311	304	7		311	304	615
LD6	321	205	116		321	205	526
LD7	381	155	226		381	155	536
LD8	418	222	196		418	222	640
LD9	292	266	26		292	266	558
LD10	422	234	188		422	234	656
LD11	417	202	215		417	202	619
LD12	418	304	114		418	304	722
LD13	401	275	126		401	275	676
LD14	388	392	-4		388	392	780
LD15	315	288	27		315	288	603
LD16	375	275	100		375	275	650
LD17	410	335	75		410	335	745
LD18	312	277	35		312	277	589
LD19	122	388	-266		122	388	510
LD20	294	311	-17		294	311	605

Raw data: Control (C) males from Expt. II

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	total time in a pref zone
C1	412	418	830
C1	407	324	731
C3	528	361	889
C4	544	287	831
C5	419	402	821
C6	450	312	762
C7	435	325	760
C8	559	322	881
C9	333	429	762
C10	580	304	884
C11	302	517	819
C12	499	428	927
C13	485	377	862
C14	512	334	846
C15	345	425	770
C16	460	390	850
C17	511	422	933
C18	389	401	790
C19	218	588	806
C20	284	511	795

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	Diff score controls
C1	412	418	-6
C1	407	324	83
C3	528	361	167
C4	544	287	257
C5	419	402	17
C6	450	312	138
C7	435	325	110
C8	559	322	237
C9	333	429	-96
C10	580	304	276
C11	302	517	-215
C12	499	428	71
C13	485	377	108
C14	512	334	178
C15	345	425	-80
C16	460	390	70
C17	511	422	89
C18	389	401	-12
C19	218	588	-370
C20	284	511	-227

Raw data: High dose (HD) males from Expt. II

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	total time in a pref zone
HD1	325	289	614
HD2	388	414	802
HD3	251	212	463
HD4	388	218	606
HD5	222	344	566
HD6	191	321	512
HD7	362	244	606
HD8	299	389	688
HD9	402	221	623
HD10	388	365	753
HD11	211	313	524
HD12	318	233	551
HD13	504	301	805
HD14	188	311	499
HD15	301	234	535
HD16	111	202	313
HD17	412	305	717
HD18	84	204	288
HD19	302	255	557
HD20	315	411	726

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	Diff score HD
HD1	325	289	36
HD2	388	414	-26
HD3	251	212	39
HD4	388	218	170
HD5	222	344	-122
HD6	191	321	-130
HD7	362	244	118
HD8	299	389	-90
HD9	402	221	181
HD10	388	365	23
HD11	211	313	-102
HD12	318	233	85
HD13	504	301	203
HD14	188	311	-123
HD15	301	234	67
HD16	111	202	-91
HD17	412	305	107
HD18	84	204	-120
HD19	302	255	47
HD20	315	411	-96

Raw data: Low dose (LD) males from Expt. II

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	total time in a pref zone
LD1	311	228	539
LD2	327	218	545
LD3	250	199	449
LD4	312	155	467
LD5	311	301	612
LD6	288	277	565
LD7	322	205	527
LD8	412	299	711
LD9	203	331	534
LD10	322	282	604
LD11	311	215	526
LD12	300	267	567
LD13	404	275	679
LD14	288	298	586
LD15	212	288	500
LD16	175	285	460
LD17	400	365	765
LD18	202	234	436
LD19	222	388	610
LD20	315	311	626

Fish Test Group and #	Total Time Spent w/Female (s)	Total Time Spent w/Male (s)	Diff score LD
LD1	311	228	83
LD2	327	218	109
LD3	250	199	51
LD4	312	155	157
LD5	311	301	10
LD6	288	277	11
LD7	322	205	117
LD8	412	299	113
LD9	203	331	-128
LD10	322	282	40
LD11	311	215	96
LD12	300	267	33
LD13	404	275	129
LD14	288	298	-10
LD15	212	288	-76
LD16	175	285	-110
LD17	400	365	35
LD18	202	234	-32
LD19	222	388	-166
LD20	315	311	4

Raw data: Control (C) females from Expt. III

subject #	SvL sm (s)	SvL mid (s)	SvL lrg (s)	SvL sm (s)	SvL mid (s)	SvL lrg (s)	lvL sm (s)	lvL mid (s)	lvL lrg (s)
C1	85	171	344	101	308	191	116	213	271
C2	154	108	338	213	185	262	216	186	198
C3	89	173	338	183	189	228	109	219	272
C4	171	264	165	156	275	169	160	340	160
C5	129	215	256	183	216	201	154	222	224
C6	15	112	473	3	113	484	164	215	221
C7	54	224	322	101	293	206	68	286	246
C8	131	268	201	93	284	223	44	244	312
C9	23	185	392	151	202	247	83	237	280
C10	153	204	243	78	296	226	178	203	219
C11	112	275	213	208	238	154	230	256	114
C12	186	124	290	118	209	273	152	207	241
C13	97	249	254	83	276	241	198	173	229
C14	285	220	95	124	257	219	90	235	275
C15	221	221	158	204	158	238	177	77	346
C16	83	177	340	126	236	238	122	180	298
C17	139	264	197	129	245	226	77	238	285
C18	307	171	122	149	225	226	227	217	156
C19	271	107	222	135	238	227	3	126	471
C20	26	273	301	79	308	213	178	241	181
C21	178	307	115	107	333	257	196	232	172
C22	205	229	166	184	268	148	142	241	217
C23	119	265	216	76	291	233	63	227	313
C24	187	244	169	172	208	220	225	136	239
C25	153	210	237	159	234	207	154	253	193
C26	189	172	239	123	242	235	192	277	131

subject #	SvL sm (s)	SvL lrg (s)	SvL diff score (s)	SvL sm (s)	SvL lrg (s)	SvL diff score (s)	lvL sm (s)	lvL lrg (s)	lvL diff score (s)
C1	85	344	-259	101	191	-90	116	271	-155
C2	154	338	-184	213	262	-49	216	198	18
C3	89	338	-249	183	228	-45	109	272	-163
C4	171	165	6	156	169	-11	160	160	0
C5	129	256	-127	183	201	-18	154	224	-70
C6	15	473	-458	3	484	-481	164	221	-57
C7	54	322	-268	101	206	-105	68	246	-178
C8	131	201	-70	93	223	-130	44	312	-268
C9	23	392	-369	151	247	-95	83	280	-197
C10	153	243	-90	78	226	-148	178	219	-41
C11	112	213	-101	208	154	54	230	114	116
C12	186	290	-104	118	273	-155	152	241	-89
C13	97	254	-157	83	241	-158	198	229	-31
C14	285	95	190	124	219	-95	90	275	-185
C15	221	158	63	204	238	-34	177	346	-169
C16	83	340	-257	126	238	-112	122	298	-176
C17	139	197	-58	129	226	-97	77	285	-208
C18	307	122	185	149	226	-77	227	156	71
C19	271	222	49	135	227	-92	3	471	-468
C20	26	301	-275	79	213	-134	178	181	-3
C21	178	115	63	107	257	-150	196	172	24
C22	205	166	39	184	148	36	142	217	-75
C23	119	216	-97	76	233	-157	63	313	-250
C24	187	169	18	172	220	-48	225	239	-14
C25	153	237	-84	159	207	-48	154	193	-39
C26	189	239	-50	123	235	-112	192	131	61

SvL sm = total time w/ smaller male

SvL sm = total time w/ smaller male “S”

lvL sm = total time w/ smaller male (the intermediate sized “I” male)

SvL mid = total time in neutral zone (i.e. central area of test arena)

SvL mid = total time in neutral zone (i.e. central area of test arena)

lvL mid = total time in neutral zone (i.e. central area of test arena)

SvL lrg = total time w/ larger male (in this case, the intermediate sized “I” male)

SvL lrg = total time w/ larger male “L”

lvL lrg = total time w/ larger male “L”

Raw data: Control (C) females from Expt. III cont.

subject #	Svl sm (s)	Svl lrg (s)	SvL sm (s)	SvL lrg (s)	IvL sm (s)	IvL lrg (s)	total time (s)
C1	85	344	101	191	116	271	1108
C2	154	338	213	262	216	198	1381
C3	89	338	183	228	109	272	1219
C4	171	165	156	169	160	160	981
C5	129	256	183	201	154	224	1147
C6	15	473	3	484	164	221	1360
C7	54	322	101	206	68	246	997
C8	131	201	93	223	44	312	1004
C9	23	392	151	247	83	280	1176
C10	153	243	78	226	178	219	1097
C11	112	213	208	154	230	114	1031
C12	186	290	118	273	152	241	1260
C13	97	254	83	241	198	229	1102
C14	285	95	124	219	90	275	1088
C15	221	158	204	238	177	346	1344
C16	83	340	126	238	122	298	1207
C17	139	197	129	226	77	285	1053
C18	307	122	149	226	227	156	1187
C19	271	222	135	227	3	471	1329
C20	26	301	79	213	178	181	978
C21	178	115	107	257	196	172	1025
C22	205	166	184	148	142	217	1062
C23	119	216	76	233	63	313	1020
C24	187	169	172	220	225	239	1212
C25	153	237	159	207	154	193	1103
C26	189	239	123	235	192	131	1109

Svl sm = total time w/ smaller male

SvL sm = total time w/ smaller male "S"

IvL sm = total time w/ smaller male (the intermediate sized "I" male)

Svl mid = total time in neutral zone (i.e. central area of test arena)

SvL mid = total time in neutral zone (i.e. central area of test arena)

IvL mid = total time in neutral zone (i.e. central area of test arena)

Svl lrg = total time w/ larger male (in this case, the intermediate sized "I" male)

SvL lrg = total time w/ larger male "L"

IvL lrg = total time w/ larger male "L"

Raw data: High dose (HD) females from Expt. III

subject #	Svl sm (s)	Svl mid (s)	Svl lrg (s)	SvL sm (s)	SvL mid (s)	SvL lrg (s)	IvL sm (s)	IvL mid (s)	IvL lrg (s)
HD1	67	73	460	104	98	398	131	195	274
HD2	141	147	312	158	244	196	194	280	114
HD3	262	283	55	139	175	286	375	185	40
HD4	229	100	271	226	255	119	271	209	120
HD5	302	63	235	69	240	291	108	199	293
HD6	59	136	405	206	291	103	221	313	66
HD7	47	61	492	42	67	491	17	100	483
HD8	7	56	537	129	153	318	6	98	496
HD9	129	145	326	94	193	313	102	231	267
HD10	207	189	204	103	274	223	24	108	466
HD11	535	35	30	33	35	532	424	52	124
HD12	122	208	270	170	316	114	161	323	116
HD13	117	260	223	142	292	156	21	277	302
HD14	123	241	236	125	250	225	129	162	309
HD15	328	48	224	365	30	205	249	78	273
HD16	270	248	82	134	377	243	333	234	33
HD17	502	84	14	3	90	507	379	199	22
HD18	94	239	267	49	113	438	120	277	203
HD19	205	299	96	192	104	304	146	116	338
HD20	130	227	243	162	211	227	149	233	218

Svl sm = total time w/ smaller male

SvL sm = total time w/ smaller male "S"

IvL sm = total time w/ smaller male (the intermediate sized "I" male)

Svl mid = total time in neutral zone (i.e. central area of test arena)

SvL mid = total time in neutral zone (i.e. central area of test arena)

IvL mid = total time in neutral zone (i.e. central area of test arena)

Svl lrg = total time w/ larger male (in this case, the intermediate sized "I" male)

SvL lrg = total time w/ larger male "L"

IvL lrg = total time w/ larger male "L"

Raw data: High dose (HD) females from Expt. III cont.

subject #	SvI sm (s)	SvI lrg (s)	SvI diff score (s)	SvL sm (s)	SvL lrg (s)	SvL diff score (s)	IvL sm (s)	IvL lrg (s)	IvL diff score (s)
HD1	67	460	-413	104	398	-294	131	274	-143
HD2	141	312	-171	158	196	-38	194	114	80
HD3	262	55	207	139	286	-147	375	40	335
HD4	229	271	-42	226	119	107	271	120	-164
HD5	302	235	67	69	291	-222	108	293	-185
HD6	59	405	-346	206	103	103	221	66	155
HD7	47	492	-445	42	491	-449	17	483	-466
HD8	7	537	-530	129	318	-189	6	496	-490
HD9	129	326	-197	94	313	-219	102	267	-165
HD10	207	204	3	103	223	-120	24	466	-442
HD11	535	30	505	33	532	-490	424	124	300
HD12	122	270	-148	170	114	56	161	116	45
HD13	117	223	-106	142	156	-16	21	302	-281
HD14	123	236	-113	125	225	-100	129	309	-180
HD15	328	224	104	365	205	160	249	273	-24
HD16	270	82	188	134	243	-109	333	33	300
HD17	502	14	488	3	507	-504	379	22	357
HD18	94	267	-173	49	438	-389	120	203	-83
HD19	205	96	109	192	304	-112	146	338	-192
HD20	130	243	-113	162	227	-65	149	218	-69

SvI sm = total time w/ smaller male

SvL sm = total time w/ smaller male "S"

IvL sm = total time w/ smaller male (the intermediate sized "I" male)

SvI mid = total time in neutral zone (i.e. central area of test arena)

SvL mid = total time in neutral zone (i.e. central area of test arena)

IvL mid = total time in neutral zone (i.e. central area of test arena)

SvI lrg = total time w/ larger male (in this case, the intermediate sized "I" male)

SvL lrg = total time w/ larger male "L"

IvL lrg = total time w/ larger male "L"

Raw data: High dose (HD) females from Expt. III cont.

subject #	Svl sm (s)	Svl lrg (s)	SvL sm (s)	SvL lrg (s)	IvL sm (s)	IvL lrg (s)	total time (s)
HD1	67	460	104	398	131	274	1434
HD2	141	312	158	196	194	114	1115
HD3	262	55	139	286	375	40	1157
HD4	229	271	226	119	271	120	1236
HD5	302	235	69	291	108	293	1298
HD6	59	405	206	103	221	66	1060
HD7	47	492	42	491	17	483	1572
HD8	7	537	129	318	6	496	1493
HD9	129	326	94	313	102	267	1231
HD10	207	204	103	223	24	466	1227
HD11	535	30	33	532	424	124	1678
HD12	122	270	170	114	161	116	953
HD13	117	223	142	156	21	302	961
HD14	123	236	125	225	129	309	1147
HD15	328	224	365	205	249	273	1644
HD16	270	82	134	243	333	33	1095
HD17	502	14	3	507	379	22	1427
HD18	94	267	49	438	120	203	1171
HD19	205	96	192	304	146	338	1281
HD20	130	243	162	227	149	218	1129

Svl sm = total time w/ smaller male

SvL sm = total time w/ smaller male "S"

IvL sm = total time w/ smaller male (the intermediate sized "I" male)

Svl mid = total time in neutral zone (i.e. central area of test arena)

SvL mid = total time in neutral zone (i.e. central area of test arena)

IvL mid = total time in neutral zone (i.e. central area of test arena)

Svl lrg = total time w/ larger male (in this case, the intermediate sized "I" male)

SvL lrg = total time w/ larger male "L"

IvL lrg = total time w/ larger male "L"

Raw data: Low dose (LD) females from Expt. III

subject #	SvI sm (s)	SvI mid (s)	SvI lrg (s)	SvL sm (s)	SvL mid (s)	SvL lrg (s)	IvL sm (s)	IvL mid (s)	IvL lrg (s)
LD1	28	64	508	390	202	8	10	116	474
LD2	322	156	122	62	332	206	118	261	281
LD3	235	252	113	36	582	32	146	372	82
LD4	203	284	113	115	431	50	30	336	234
LD5	96	371	133	253	241	106	111	428	61
LD6	73	170	357	426	147	27	153	252	195
LD7	211	190	199	500	100	0	53	378	69
LD8	29	129	442	19	349	252	7	132	461
LD9	90	177	333	108	308	184	78	247	275
LD10	520	67	13	6	108	486	451	145	4
LD11	187	252	161	61	258	281	108	276	216
LD12	175	194	281	142	411	45	110	396	94
LD13	368	197	35	0	345	255	256	279	66
LD14	237	334	29	94	325	181	170	399	38
LD15	442	121	37	135	346	119	331	232	37
LD16	84	327	189	42	140	418	291	520	96
LD17	17	196	387	56	207	337	38	374	188
LD18	50	281	269	80	196	324	119	368	113

SvI sm = total time w/ smaller male

SvL sm = total time w/ smaller male "S"

IvL sm = total time w/ smaller male (the intermediate sized "I" male)

SvI mid = total time in neutral zone (i.e. central area of test arena)

SvL mid = total time in neutral zone (i.e. central area of test arena)

IvL mid = total time in neutral zone (i.e. central area of test arena)

SvI lrg = total time w/ larger male (in this case, the intermediate sized "I" male)

SvL lrg = total time w/ larger male "L"

IvL lrg = total time w/ larger male "L"

Raw data: Low dose (LD) females from Expt. III cont.

subject #	SvI sm (s)	SvI lrg (s)	SvI diff score (s)	SvL sm (s)	SvL lrg (s)	SvL diff score (s)	IvL sm (s)	IvL lrg (s)	IvL diff score (s)
LD1	28	508	-480	390	8	382	10	474	-464
LD2	322	122	200	62	206	-144	118	281	-163
LD3	235	113	122	36	32	4	146	82	64
LD4	203	113	90	115	50	65	30	234	-204
LD5	96	133	-37	253	106	147	111	61	50
LD6	73	357	-284	426	27	399	153	195	-42
LD7	211	199	12	500	0	500	53	69	-16
LD8	29	442	-413	19	252	-233	7	461	-454
LD9	90	333	-243	108	184	-76	78	275	-197
LD10	520	13	507	6	486	-480	451	4	447
LD11	187	161	26	61	281	-220	108	216	-108
LD12	175	281	-106	142	45	97	110	94	16
LD13	368	35	333	0	255	-255	256	66	190
LD14	237	29	208	94	181	-87	170	38	132
LD15	442	37	405	135	119	16	331	37	294
LD16	84	189	-105	42	418	-376	291	96	195
LD17	17	387	-370	56	337	-281	38	188	-150
LD18	50	269	-219	80	324	-244	119	113	6

SvI sm = total time w/ smaller male

SvL sm = total time w/ smaller male "S"

IvL sm = total time w/ smaller male (the intermediate sized "I" male)

SvI mid = total time in neutral zone (i.e. central area of test arena)

SvL mid = total time in neutral zone (i.e. central area of test arena)

IvL mid = total time in neutral zone (i.e. central area of test arena)

SvI lrg = total time w/ larger male (in this case, the intermediate sized "I" male)

SvL lrg = total time w/ larger male "L"

IvL lrg = total time w/ larger male "L"

Raw data: Low dose (LD) females from Expt. III cont.

subject #	SvI sm (s)	SvI lrg (s)	SvL sm (s)	SvL lrg (s)	IvL sm (s)	IvL lrg (s)	total time (s)
LD1	28	508	390	8	10	474	1418
LD2	322	122	62	206	118	281	1111
LD3	235	113	36	32	146	82	644
LD4	203	113	115	50	30	234	745
LD5	96	133	253	106	111	61	760
LD6	73	357	426	27	153	195	1231
LD7	211	199	500	0	53	69	1032
LD8	29	442	19	252	7	461	1210
LD9	90	333	108	184	78	275	1068
LD10	520	13	6	486	451	4	1480
LD11	187	161	61	281	108	216	1014
LD12	175	281	142	45	110	94	847
LD13	368	35	0	255	256	66	980
LD14	237	29	94	181	170	38	749
LD15	442	37	135	119	331	37	1101
LD16	84	189	42	418	291	96	1120
LD17	17	387	56	337	38	188	1023
LD18	50	269	80	324	119	113	955

SvI sm = total time w/ smaller male

SvL sm = total time w/ smaller male "S"

IvL sm = total time w/ smaller male (the intermediate sized "I" male)

SvI mid = total time in neutral zone (i.e. central area of test arena)

SvL mid = total time in neutral zone (i.e. central area of test arena)

IvL mid = total time in neutral zone (i.e. central area of test arena)

SvI lrg = total time w/ larger male (in this case, the intermediate sized "I" male)

SvL lrg = total time w/ larger male "L"

IvL lrg = total time w/ larger male "L"

Raw data: Mirror Test (Expt. IV)

Fish Test Group and #	Control time in mirror zone (s)	Fish Test Group and #	HD time in mirror zone (s)	Fish Test Group and #	LD time in mirror zone (s)
C1	522	HD1	302	LD1	111
C1	418	HD2	115	LD2	183
C3	505	HD3	233	LD3	284
C4	215	HD4	87	LD4	66
C5	415	HD5	187	LD5	94
C6	511	HD6	345	LD6	294
C7	401	HD7	228	LD7	311
C8	322	HD8	328	LD8	102
C9	534	HD9	55	LD9	85
C10	288	HD10	301	LD10	22
C11	384	HD11	212	LD11	118
C12	284	HD12	87	LD12	116
C13	535	HD13	411	LD13	35
C14	182	HD14	290	LD14	85
C15	382	HD15	154	LD15	44
C16	463	HD16	31	LD16	11
C17	437	HD17	184	LD17	312
C18	527	HD18	224	LD18	75
C19	487	HD19	42	LD19	75
C20	302	HD20	177	LD20	108

C =control; HD = High Dose; LD = Low Dose

Raw data: Novel Arena Test, Bottom Zone Time (BZT) for all females from Expt. I & III

BZT F Cont = Bottom zone time for control female

BZT F HD = Bottom zone time for high dose female

BZT F LD = Bottom zone time for low dose female

C1 Expt I = Control female 1 from Experiment I

C1 Expt III = Control female 1 from Experiment III

HD1 Expt I = High dose female 1 from Experiment I

HD1 Expt III = High dose female 1 from Experiment III

LD1 Expt I = Low dose female 1 from Experiment I

LD1 Expt III = Low dose female 1 from Experiment III

FemaleCont	BZT F Cont (s)	FemaleHD	BZT F HD (s)	FemaleLD	BZT F LD (s)
C1 Expt I	128	HD1 Expt I	375	LD1 Expt I	600
C1 Expt I	265	HD1 Expt I	311	LD1 Expt I	512
C3 Expt I	411	HD3 Expt I	521	LD3 Expt I	311
C4 Expt I	325	HD4 Expt I	600	LD4 Expt I	312
C5 Expt I	416	HD5 Expt I	552	LD5 Expt I	528
C6 Expt I	122	HD6 Expt I	288	LD6 Expt I	401
C7 Expt I	200	HD7 Expt I	412	LD7 Expt I	215
C8 Expt I	86	HD8 Expt I	324	LD8 Expt I	415
C9 Expt I	186	HD9 Expt I	300	LD9 Expt I	435
C10 Expt I	172	HD10 Expt I	261	LD10 Expt I	522
C11 Expt I	302	HD11 Expt I	523	LD11 Expt I	417
C12 Expt I	522	HD12 Expt I	418	LD12 Expt I	505
C13 Expt I	55	HD13 Expt I	496	LD13 Expt I	316
C14 Expt I	118	HD14 Expt I	413	LD14 Expt I	228
C15 Expt I	202	HD15 Expt I	311	LD15 Expt I	600
C16 Expt I	155	HD16 Expt I	199	LD16 Expt I	517
C17 Expt I	222	HD17 Expt I	276	LD17 Expt I	489
C18 Expt I	324	HD18 Expt I	399	LD18 Expt I	429
C19 Expt I	245	HD19 Expt I	414	LD19 Expt I	399
C20 Expt I	199	HD20 Expt I	418	LD20 Expt I	560
C1 Expt III	129	HD1 Expt III	328	LD1 Expt III	420
C1 Expt III	130	HD2 Expt III	382	LD2 Expt III	369
C3 Expt III	211	HD3 Expt III	422	LD3 Expt III	236
C4 Expt III	212	HD4 Expt III	302	LD4 Expt III	526
C5 Expt III	305	HD5 Expt III	333	LD5 Expt III	600
C6 Expt III	322	HD6 Expt III	393	LD6 Expt III	399
C7 Expt III	102	HD7 Expt III	453	LD7 Expt III	501
C8 Expt III	98	HD8 Expt III	335	LD8 Expt III	521
C9 Expt III	128	HD9 Expt III	527	LD9 Expt III	421
C10 Expt III	234	HD10 Expt III	337	LD10 Expt III	501
C11 Expt III	235	HD11 Expt III	281	LD11 Expt III	422
C12 Expt III	117	HD12 Expt III	392	LD12 Expt III	588
C13 Expt III	317	HD13 Expt III	284	LD13 Expt III	512
C14 Expt III	404	HD14 Expt III	494	LD14 Expt III	534
C15 Expt III	301	HD15 Expt III	504	LD15 Expt III	218
C16 Expt III	215	HD16 Expt III	294	LD16 Expt III	412
C17 Expt III	178	HD17 Expt III	515	LD17 Expt III	519
C18 Expt III	175	HD18 Expt III	375	LD18 Expt III	591
C19 Expt III	225	HD19 Expt III	302		
C20 Expt III	212	HD20 Expt III	401		
C21 Expt III	112				
C22 Expt III	388				
C23 Expt III	263				
C24 Expt III	137				
C25 Expt III	133				
C26 Expt III	254				

Raw data: Novel Arena Test, Bottom Zone Time (BZT) for all males from Expt. II & IV

BZT M Cont = Bottom zone time for control male

BZT M HD = Bottom zone time for high dose male

BZT M LD = Bottom zone time for low dose male

C1 Expt II = Control male 1 from Experiment II

C1 Expt IV = Control male 1 from Experiment IV

HD1 Expt II = High dose male 1 from Experiment II

HD1 Expt IV = High dose male 1 from Experiment IV

LD1 Expt II = Low dose male 1 from Experiment II

LD1 Expt IV = Low dose male 1 from Experiment IV

MaleCont	BZT M Cont (s)	MaleHD	BZT M HD (s)	MaleLD	BZT M LD (s)
C1 Expt II	111	HD1 Expt II	335	LD1 Expt II	435
C1 Expt II	88	HD2 Expt II	312	LD2 Expt II	404
C3 Expt II	238	HD3 Expt II	395	LD3 Expt II	315
C4 Expt II	128	HD4 Expt II	422	LD4 Expt II	419
C5 Expt II	84	HD5 Expt II	287	LD5 Expt II	600
C6 Expt II	477	HD6 Expt II	446	LD6 Expt II	519
C7 Expt II	311	HD7 Expt II	398	LD7 Expt II	328
C8 Expt II	102	HD8 Expt II	400	LD8 Expt II	338
C9 Expt II	43	HD9 Expt II	515	LD9 Expt II	395
C10 Expt II	54	HD10 Expt II	413	LD10 Expt II	414
C11 Expt II	157	HD11 Expt II	315	LD11 Expt II	512
C12 Expt II	137	HD12 Expt II	266	LD12 Expt II	199
C13 Expt II	227	HD13 Expt II	588	LD13 Expt II	329
C14 Expt II	115	HD14 Expt II	388	LD14 Expt II	416
C15 Expt II	212	HD15 Expt II	420	LD15 Expt II	563
C16 Expt II	95	HD16 Expt II	460	LD16 Expt II	423
C17 Expt II	85	HD17 Expt II	333	LD17 Expt II	567
C18 Expt II	124	HD18 Expt II	311	LD18 Expt II	127
C19 Expt II	94	HD19 Expt II	303	LD19 Expt II	311
C20 Expt II	294	HD20 Expt II	287	LD20 Expt II	487
C1 Expt IV	69	HD1 Expt IV	226	LD1 Expt IV	525
C1 Expt IV	144	HD2 Expt IV	336	LD2 Expt IV	311
C3 Expt IV	213	HD3 Expt IV	186	LD3 Expt IV	416
C4 Expt IV	218	HD4 Expt IV	206	LD4 Expt IV	502
C5 Expt IV	119	HD5 Expt IV	416	LD5 Expt IV	422
C6 Expt IV	98	HD6 Expt IV	332	LD6 Expt IV	494
C7 Expt IV	227	HD7 Expt IV	311	LD7 Expt IV	294
C8 Expt IV	57	HD8 Expt IV	276	LD8 Expt IV	311
C9 Expt IV	301	HD9 Expt IV	384	LD9 Expt IV	500
C10 Expt IV	333	HD10 Expt IV	288	LD10 Expt IV	467
C11 Expt IV	87	HD11 Expt IV	322	LD11 Expt IV	577
C12 Expt IV	184	HD12 Expt IV	284	LD12 Expt IV	387
C13 Expt IV	64	HD13 Expt IV	339	LD13 Expt IV	412
C14 Expt IV	153	HD14 Expt IV	207	LD14 Expt IV	287
C15 Expt IV	196	HD15 Expt IV	522	LD15 Expt IV	397
C16 Expt IV	236	HD16 Expt IV	480	LD16 Expt IV	527
C17 Expt IV	106	HD17 Expt IV	301	LD17 Expt IV	453
C18 Expt IV	265	HD18 Expt IV	255	LD18 Expt IV	543
C19 Expt IV	243	HD19 Expt IV	225	LD19 Expt IV	123
C20 Expt IV	210	HD20 Expt IV	318	LD20 Expt IV	239

Raw data: Novel Arena Test, Latency to enter Top Zone (LTZ) for all females from Expt. I & III

LTZ F Cont = Latency to enter Top Zone for control female

LTZ F HD = Latency to enter Top Zone for high dose female

LTZ F LD = Latency to enter Top Zone for low dose female

C1 Expt I = Control female 1 from Experiment I

C1 Expt III = Control female 1 from Experiment III

HD1 Expt I = High dose female 1 from Experiment I

HD1 Expt III = High dose female 1 from Experiment III

LD1 Expt I = Low dose female 1 from Experiment I

LD1 Expt III = Low dose female 1 from Experiment III

FemaleCont	LTZ F Cont (s)	FemaleHD	LTZ F HD (s)	FemaleLD	LTZ F LD (s)
C1 Expt I	35	HD1 Expt I	215	LD1 Expt I	600
C1 Expt I	77	HD1 Expt I	202	LD1 Expt I	514
C3 Expt I	228	HD3 Expt I	535	LD3 Expt I	160
C4 Expt I	107	HD4 Expt I	600	LD4 Expt I	183
C5 Expt I	243	HD5 Expt I	600	LD5 Expt I	531
C6 Expt I	38	HD6 Expt I	118	LD6 Expt I	410
C7 Expt I	51	HD7 Expt I	235	LD7 Expt I	188
C8 Expt I	35	HD8 Expt I	205	LD8 Expt I	422
C9 Expt I	59	HD9 Expt I	200	LD9 Expt I	485
C10 Expt I	83	HD10 Expt I	155	LD10 Expt I	555
C11 Expt I	102	HD11 Expt I	536	LD11 Expt I	423
C12 Expt I	222	HD12 Expt I	301	LD12 Expt I	518
C13 Expt I	32	HD13 Expt I	534	LD13 Expt I	187
C14 Expt I	44	HD14 Expt I	216	LD14 Expt I	198
C15 Expt I	71	HD15 Expt I	126	LD15 Expt I	600
C16 Expt I	83	HD16 Expt I	145	LD16 Expt I	522
C17 Expt I	81	HD17 Expt I	199	LD17 Expt I	266
C18 Expt I	121	HD18 Expt I	215	LD18 Expt I	226
C19 Expt I	112	HD19 Expt I	315	LD19 Expt I	221
C20 Expt I	114	HD20 Expt I	404	LD20 Expt I	412
C1 Expt III	62	HD1 Expt III	212	LD1 Expt III	303
C1 Expt III	34	HD2 Expt III	188	LD2 Expt III	118
C3 Expt III	101	HD3 Expt III	511	LD3 Expt III	108
C4 Expt III	115	HD4 Expt III	217	LD4 Expt III	315
C5 Expt III	220	HD5 Expt III	198	LD5 Expt III	600
C6 Expt III	125	HD6 Expt III	194	LD6 Expt III	167
C7 Expt III	91	HD7 Expt III	388	LD7 Expt III	525
C8 Expt III	30	HD8 Expt III	210	LD8 Expt III	535
C9 Expt III	75	HD9 Expt III	575	LD9 Expt III	322
C10 Expt III	101	HD10 Expt III	122	LD10 Expt III	530
C11 Expt III	94	HD11 Expt III	128	LD11 Expt III	412
C12 Expt III	110	HD12 Expt III	158	LD12 Expt III	600
C13 Expt III	90	HD13 Expt III	215	LD13 Expt III	550
C14 Expt III	261	HD14 Expt III	515	LD14 Expt III	580
C15 Expt III	172	HD15 Expt III	519	LD15 Expt III	118
C16 Expt III	99	HD16 Expt III	113	LD16 Expt III	216
C17 Expt III	78	HD17 Expt III	527	LD17 Expt III	300
C18 Expt III	47	HD18 Expt III	180	LD18 Expt III	413
C19 Expt III	127	HD19 Expt III	190		
C20 Expt III	107	HD20 Expt III	433		
C21 Expt III	29				
C22 Expt III	199				
C23 Expt III	129				
C24 Expt III	45				
C25 Expt III	23				
C26 Expt III	65				

Raw data: Novel Arena Test, Latency to enter Top Zone (LTZ) for all males from Expt. II & IV

LTZ M Cont = Latency to enter Top Zone for control male

LTZ M HD = Latency to enter Top Zone for high dose male

LTZ M LD = Latency to enter Top Zone for low dose male

C1 Expt II = Control male 1 from Experiment II

C1 Expt IV = Control male 1 from Experiment IV

HD1 Expt II = High dose male 1 from Experiment II

HD1 Expt IV = High dose male 1 from Experiment IV

LD1 Expt II = Low dose male 1 from Experiment II

LD1 Expt IV = Low dose male 1 from Experiment IV

MaleCont	LTZ M Cont (s)	MaleHD	LTZ M HD (s)	MaleLD	LTZ M LD (s)
C1 Expt II	24	HD1 Expt I	150	LD1 Expt I	305
C1 Expt II	18	HD1 Expt I	185	LD1 Expt I	183
C3 Expt II	85	HD3 Expt I	111	LD3 Expt I	118
C4 Expt II	32	HD4 Expt I	219	LD4 Expt I	229
C5 Expt II	11	HD5 Expt I	78	LD5 Expt I	600
C6 Expt II	433	HD6 Expt I	226	LD6 Expt I	303
C7 Expt II	213	HD7 Expt I	107	LD7 Expt I	108
C8 Expt II	34	HD8 Expt I	312	LD8 Expt I	121
C9 Expt II	13	HD9 Expt I	316	LD9 Expt I	129
C10 Expt II	19	HD10 Expt I	218	LD10 Expt I	244
C11 Expt II	57	HD11 Expt I	93	LD11 Expt I	402
C12 Expt II	27	HD12 Expt I	49	LD12 Expt I	79
C13 Expt II	77	HD13 Expt I	600	LD13 Expt I	100
C14 Expt II	58	HD14 Expt I	108	LD14 Expt I	144
C15 Expt II	108	HD15 Expt I	199	LD15 Expt I	565
C16 Expt II	17	HD16 Expt I	339	LD16 Expt I	188
C17 Expt II	35	HD17 Expt I	101	LD17 Expt I	298
C18 Expt II	49	HD18 Expt I	105	LD18 Expt I	67
C19 Expt II	29	HD19 Expt I	155	LD19 Expt I	101
C20 Expt II	214	HD20 Expt I	134	LD20 Expt I	230
C1 Expt IV	9	HD1 Expt III	89	LD1 Expt III	220
C1 Expt IV	14	HD2 Expt III	174	LD2 Expt III	102
C3 Expt IV	41	HD3 Expt III	72	LD3 Expt III	215
C4 Expt IV	61	HD4 Expt III	92	LD4 Expt III	506
C5 Expt IV	21	HD5 Expt III	311	LD5 Expt III	135
C6 Expt IV	18	HD6 Expt III	115	LD6 Expt III	185
C7 Expt IV	38	HD7 Expt III	141	LD7 Expt III	111
C8 Expt IV	19	HD8 Expt III	103	LD8 Expt III	93
C9 Expt IV	155	HD9 Expt III	119	LD9 Expt III	413
C10 Expt IV	104	HD10 Expt III	108	LD10 Expt III	227
C11 Expt IV	37	HD11 Expt III	112	LD11 Expt III	600
C12 Expt IV	38	HD12 Expt III	99	LD12 Expt III	105
C13 Expt IV	15	HD13 Expt III	126	LD13 Expt III	139
C14 Expt IV	35	HD14 Expt III	87	LD14 Expt III	107
C15 Expt IV	51	HD15 Expt III	526	LD15 Expt III	84
C16 Expt IV	16	HD16 Expt III	260	LD16 Expt III	511
C17 Expt IV	39	HD17 Expt III	99	LD17 Expt III	288
C18 Expt IV	111	HD18 Expt III	103	LD18 Expt III	389
C19 Expt IV	40	HD19 Expt III	120	LD19 Expt III	72
C20 Expt IV	47	HD20 Expt III	152	LD20 Expt III	68