**Supplementary References** - List of models and reference details of all database entries

[**Hemond et al., 2008**]  101629_KahpM95.mod (1), 101629_cacumm.mod (2), 101629_cagk.mod (3), 101629_cal2.mod (4), 101629_can2.mod (5), 101629_cat.mod (6), 101629_distr.mod (7), 101629_h.mod (8), 101629_kaprox.mod (9), 101629_kd.mod (10), 101629_kdrca1.mod (11), 101629_km.mod (12), 101629_na3n.mod (13), 101629_naxn.mod (14)

[**Lawrence et al., 2006**]  102288_ICaL.mod (15), 102288_ICaT.mod (16), 102288_IKCa.mod (17), 102288_IKa.mod (18), 102288_IMminret.mod (19), 102288_IMmintau.mod (20), 102288_Ih.mod (21), 102288_Ikdrf.mod (22), 102288_Ikdrfaxon.mod (23), 102288_Ikdrs.mod (24), 102288_Ikdrsaxon.m (25), 102288_Ikleakaxon.mod (26), 102288_Ikleaksd.mod (27), 102288_Ipassaxon.mod (28), 102288_Ipasssd.mod (29), 102288_Naaxon.mod (30), 102288_Nadend.mod (31), 102288_Nasoma.mod (32), 102288_SIN.mod (33), 102288_cad.mod (34)

[**Mercer et al., 2007**]  105385_bk_gp.mod (35), 105385_ca_gp.mod (36), 105385_cal_gp.mod (37), 105385_cap_gp.mod (38), 105385_hcn12_gp.mod (39), 105385_hcn2_gp.mod (40), 105385_iramp.mod (41), 105385_kcnq_gp.mod (42), 105385_kir2_gp.mod (43), 105385_kleak_gp.mod (44), 105385_kv1_gp.mod (45), 105385_kv2_gp.mod (46), 105385_kv3_gp.mod (47), 105385_kv4_gp.mod (48), 105385_leak_gp.mod (49), 105385_na1_gp.mod (50), 105385_na6_gp.mod (51), 105385_pas_gp.mod (52), 105385_sk_gp.mod (53)

[**Lytton and Omurtag, 2007**]  105507_intf_.mod (54), 105507_misc.mod (55), 105507_nstim.mod (56), 105507_stats.mod (57), 105507_vecst.mod (58)

[**Cassara and Maraviglia, 2008**]  106551_distr.mod (59), 106551_h.mod (60), 106551_kadist.mod (61), 106551_kaprox.mod (62), 106551_kdrca1.mod (63), 106551_na3n.mod (64), 106551_naxn.mod (65), 106551_netstims.mod (66)

[**Cassara et al., 2008**]

[**Letzkus et al., 2006**]  108459_NMDA_Mg.mod (79), 108459_ca.mod (80), 108459_cad.mod (81), 108459_epsp.mod (82), 108459_h.mod (83), 108459_it2.mod (84), 108459_kaprox.mod (85), 108459_kca.mod (86), 108459_km.mod (87), 108459_kv.mod (88), 108459_na.mod (89), 108459_release_BMK.mod (90)

[**Bar-Yehuda and Korngreen, 2008**]  110560_calcium.mod (91), 110560_potassium.mod (92)

[**Migliore et al., 2008a**]  112359_IhDA.mod (94), 112359_ampasyn.mod (95), 112359_cabalan.mod (96), 112359_cachan.mod (97), 112359_capump.mo (98), 112359_dop.mod (99), 112359_hh3.mod (100), 112359_kca.mod (101), 112359_leak.mod (102), 112359_nabalan.mod (103), 112359_nmdasyn.mod (104), 112359_pump.mod (105), 112359_hh3_icgK2.mod (3475)

[**Shah et al., 2008**]  112546_KahpM95.mod (106), 112546_cacumm.mod (107), 112546_cagk.mod (108), 112546_cal2.mod (109), 112546_can2.mod (110), 112546_cat.mod (111), 112546_h.mod (112), 112546_kadist.mod (113), 112546_kaprox.mod (114), 112546_kdrca1.mod (115), 112546_km.mod (116), 112546_na3n.mod (117), 112546_naxn.mod (118)

[**Solinas et al., 2007b**]

[**Solinas et al., 2007a**]  112685_Golgi_BK.mod (119), 112685_Golgi_CALC.mod (120), 112685_Golgi_CALC_ca2.mod (121), 112685_Golgi_Ca_HVA.m (122), 112685_Golgi_Ca_LVA.mod (123), 112685_Golgi_KA.mod (124), 112685_Golgi_KM.mod (125), 112685_Golgi_KV.mod (126), 112685_Golgi_Na.mod (127), 112685_Golgi_NaP.mod (128), 112685_Golgi_NaR.mod (129), 112685_Golgi_SK2.mod (130), 112685_Golgi_hcn1.mod (131), 112685_Golgi_hcn2.mo (132), 112685_Golgi_lkg.mod (133), 112685_Pregen.mod (134), 112685_Synapse.mod (135)

[**Wolf et al., 2005**]  112834_AMPA.mod (136), 112834_GABA.mod (137), 112834_NMDA.mod (138), 112834_bkkca.mod (139), 112834_caL.mod (140), 112834_caL13.mod (141), 112834_cadyn.mod (142), 112834_caldyn.mod (143), 112834_can.mod (144), 112834_caq.mod (145), 112834_car.mod (146), 112834_cat.mod (147), 112834_kaf.mod (148), 112834_kas.mod (149), 112834_kir.mod (150), 112834_krp.mod (151), 112834_naf.mod (152), 112834_nap.mod (153), 112834_skkca.mod (154), 112834_stim.mod (155)

[**Somjen et al., 2008**]  113446_accum.mod (156), 113446_cal2.mod (157), 113446_capump.mod (158), 113446_getconc.mod (159), 113446_hzclamp.mo (160), 113446_hzclampna.mod (161), 113446_it.mod (162), 113446_itot.mod (163), 113446_ka.mod (164), 113446_kdr.mod (165), 113446_kdrglia.mod (166), 113446_kir.mod (167), 113446_leak.mod (168), 113446_na.mod (169), 113446_nakpump.mod (170), 113446_nap.mod (171), 113446_nastim.mod (172), 113446_nax.mod (173), 113446_nmda.mod (174), 113446_sk.mod (175), 113446_xiong.mod (176)

[**Jones et al., 2007**]  113732_ar.mod (177), 113732_ca.mod (178), 113732_cad.mod (179), 113732_cat.mod (180), 113732_catp.mod (181), 113732_dipole.mod (182), 113732_dpresyn.mod (183), 113732_gnetstim.mod (184), 113732_h.mod (185), 113732_kca.mod (186), 113732_kdr.mod (187), 113732_km.mod (188), 113732_na.mod (189), 113732_pp_dipole.mod (190), 113732_precall.mod (191), 113732_seed.mod (192), 113732_tchannel.mo (193)

[**Winograd et al., 2008**]  113997_APCounter2.mod (194), 113997_Cadynamics.mod (195), 113997_HH2.mod (196), 113997_ICaL.mod (197), 113997_IKM.mod (198), 113997_Ih.mod (199), 113997_ipulse3.mod (200), 113997_pasi.mod (201), 144376_APCounter2.mod (1301), 144376_Cadynamics.mod (1302), 144376_HH2.mod (1303), 144376_ICaL.mod (1304), 144376_IKM.mod (1305), 144376_Ih.mod (1306), 144376_ipulse3.mod (1307), 144376_pasi.mod (1308)

[**Saraga et al., 2006**]  114047_gap.mod (202), 114047_hh.mod (203)

[**Rabinowitch and Segev, 2006b**]

[**Rabinowitch and Segev, 2006a**]

**[Rabinowitch and Segev, 2008]** 114355_G_h.mod (204), 114355_G_kadist.mod (205), 114355_G_kaprox.mod (206), 114355_G_kdr.mod (207), 114355_G_na.mod (208), 114355_G_nax.mod (209), 114355_M_h.mod (210), 114355_M_kadist.mod (211), 114355_M_kaprox.mod (212), 114355_M_kdr.mod (213), 114355_M_na.mod (214), 114355_M_nax.mod (215), 114355_coordinates.mod (216), 114355_exp.mod (217), 114355_peakrec.mod (218), 114355_randomizer.mod (219), 114355_scexp2syn.mod (220), 114355_scinjectsyn.mod (221), 114355_spike.mod (222)

**[van Elburg and van Ooyen, 2010]** 114359_SynAlphaPoissson.mod (223), 114359_ca.mod (224), 114359_cad.mod (225), 114359_kca.mod (226), 114359_km.mod (227), 114359_kv.mod (228), 114359_na.mod (229)

**[Kole et al., 2008]** 114394_Km.mod (230), 114394_Kv1.mod (231), 114394_h.mod (232), 114394_kv.mod (233), 114394_na.mod (234), 114394_nax.mod (235)

**[Migliore et al., 2007]** 114665_kamt.mod (236), 114665_kdrmt.mod (237), 114665_naxn.mod (238), 114665_nmdanetOB.mod (239)

**[Johnson and McIntyre, 2008]** 114685_AXNODE75.mod (240), 114685_HCN.mod (241), 114685_HVA.mod (242), 114685_KDRf.mod (243), 114685_KDRs.mod (244), 114685_Na.mod (245), 114685_NaL.mod (246), 114685_PARAK75.mod (247), 114685_SK.mod (248), 114685_cacum.mod (249), 114685_gpi.mod (250), 114685_myions.mod (251), 114685_AXNODE75_icgNA2.mod (3455)

**[Tseng et al., 2008]** 114735_gap.mod (252)

**[Royeck et al., 2008]** 115356_CAR.mod (253), 115356_CAT.mod (254), 115356_CAl.mod (255), 115356_CAnpq.mod (256), 115356_Ca2Dyn.mod (257), 115356_CaDyn.mod (258), 115356_KAHP.mod (259), 115356_KCT.mod (260), 115356_NaIn.mod (261), 115356_Nap.mod (262), 115356_h.mod (263), 115356_ka.mod (264), 115356_kdr.mod (265), 115356_km.mod (266), 115356_na3.mod (267), 115356_naxmig.mod (268)

**[van Elburg and van Ooyen, 2009]** 115357_intfire4r.mod (269)

**[David et al., 2008]** 116094_GradGABAa.mod (270), 116094_cadecay.mod (271), 116094_currentGauss.mod (272), 116094_flushf.mod (273), 116094_ipscGauss.mod (274), 116094_kA.mod (275), 116094_kM.mod (276), 116094_kca.mod (277), 116094_kfasttab.mod (278), 116094_kslowtab.mod (279), 116094_lcafixed.mod (280), 116094_nafast.mod (281), 116094_nagran.mod (282), 116094_nmdanet.mod (283), 116094_shuntInhib.mod (284), 116094_stim2.mod (285)

**[Badoual et al., 2006]** 116096_ampacin.mod (286), 116096_ca.mod (287), 116096_cad.mod (288), 116096_cadspine.mod (289), 116096_kca.mod (290), 116096_km.mod (291), 116096_kv.mod (292), 116096_ltpltd.mod (293), 116096_na.mod (294), 116096_nmdacin.mod (295)

**[Aradi and Holmes, 1999]** 116740_Ca.mod (296), 116740_CadepK.mod (297)

**[Grunditz et al., 2008]** 116769_ampa.mod (298), 116769_cadiffus.mod (299), 116769_canmda.mod (300), 116769_car.mod (301), 116769_nmda.mod (302)

**[Lytton et al., 2008b]** 116830_intf.mod (303), 116830_misc.mod (304), 116830_nstim.mod (305), 116830_stats.mod (306), 116830_vecst.mod (307)

**[Diwakar et al., 2009]** 116835_AmpaCOD.mod (308), 116835_GRC_CA.mod (309), 116835_GRC_CALC.mod (310), 116835_GRC_GABA.mod (311), 116835_GRC_KA.mod (312), 116835_GRC_KCA.mod (313), 116835_GRC_KIR.mod (314), 116835_GRC_KM.mod (315), 116835_GRC_KV.mod (316), 116835_GRC_LKG1.mod (317), 116835_GRC_LKG2.mod (318), 116835_GRC_NA.mod (319), 116835_NmdaS.mod (320), 116835_Pregen.mod (321)

**[Lytton et al., 2008a]** 116838_intf_.mod (322), 116838_misc.mod (323), 116838_nstim.mod (324), 116838_stats.mod (325), 116838_vecst.mod (326)

**[Zhu et al., 1999b]** 116862_AMPA.mod (327), 116862_GABAA.mod (328), 116862_GABAB.mod (329), 116862_HH2.mod (330), 116862_IL.mod (331), 116862_IL3.mod (332), 116862_IT.mod (333), 116862_IT2.mod (334), 116862_Iahp.mod (335), 116862_Ican.mod (336), 116862_Ih.mod (337), 116862_NMDA.mod (338), 116862_cadecay.mod (339), 116862_clampex.mod (340), 116862_cp.mod (341), 116862_cp2.mod (342), 116862_kdr2.mod (343), 116862_kleak.mod (344), 116862_kmbg.mod (345), 116862_naf2.mod (346), 116862_nap.mod (347), 116862_ntIh.mod (348), 116862_nthh.mod (349), 116862_ntleak.mod (350), 116862_ntt.mod (351), 116862_pregencv.mod (352), 116862_vecst.mod (353)

**[Zhu et al., 1999a]** 116862_AMPA.mod (327), 116862_GABAA.mod (328), 116862_GABAB.mod (329), 116862_HH2.mod (330), 116862_IL.mod (331), 116862_IL3.mod (332), 116862_IT.mod (333), 116862_IT2.mod (334), 116862_Iahp.mod (335), 116862_Ican.mod (336), 116862_Ih.mod (337), 116862_NMDA.mod (338), 116862_cadecay.mod (339), 116862_clampex.mod (340), 116862_cp.mod (341), 116862_cp2.mod (342), 116862_kdr2.mod (343), 116862_kleak.mod (344), 116862_kmbg.mod (345), 116862_naf2.mod (346), 116862_nap.mod (347), 116862_ntIh.mod (348), 116862_nthh.mod (349), 116862_ntleak.mod (350), 116862_ntt.mod (351), 116862_pregencv.mod (352), 116862_vecst.mod (353)

**[Borst and Haag, 1996]** 116956_emdk.mod (354), 116956_emdkna.mod (355), 116956_emdna.mod (356)

**[Haag et al., 1997]** 116956_emdk.mod (354), 116956_emdkna.mod (355), 116956_emdna.mod (356)

**[Haag et al., 1999]** 116956_emdk.mod (354), 116956_emdkna.mod (355), 116956_emdna.mod (356)

**[Marcelin et al., 2009]** 116983_h.mod (358)

[**Acker and Antic, 2009**]   117207_CaT.mod (359), 117207_Cad.mod (360), 117207_IL.mod (361), 117207_PlateauConductance.mod (362), 117207_ca.mod (363), 117207_kadist.mod (364), 117207_kaprox.mod (365), 117207_kv.mod (366), 117207_na.mod (367), 117207_vmax.mod (368)

[**Cruz et al., 2007**]   117459_hh2.mod (369), 117459_kleak.mod (370)

[**Hemond et al., 2009**]   118098_distr.mod (371), 118098_hca3.mod (372)

[**Kondgen et al., 2008**]   118631_Isinunoisy.mod (373), 118631_Isinunoisy2.mod (374), 118631_wb.mod (375)

[**Gouwens and Wilson, 2009**]   118662_LeakConductance.mod (376), 118662_v_atten.mod (377)

[**Miceli et al., 2009**]   118986_KahpM95.mod (378), 118986_cacumm.mod (379), 118986_cat.mod (380), 118986_h.mod (381), 118986_kadist.mod (382), 118986_kaprox.mod (383), 118986_kdrca1.mod (384), 118986_kmquad.mod (385), 118986_kmtwt.mod (386), 118986_na3n.mod (387), 118986_naxn.mod (388)

[**Ferrante et al., 2008**]   119283_distr.mod (407), 119283_h.mod (408), 119283_kadist.mod (409), 119283_kaprox.mod (410), 119283_kdrca1.mod (411), 119283_na3n.mod (412), 119283_naxn.mod (413), 119283_netstimm.mod (414)

[**Chapman et al., 1983**]   120692_ionleak.mod (415), 120692_nakpump.mod (416), 120692_nakpump1.mod (417)

[**Palmer and Stuart, 2009**]   120798_syn_g.mod (418)

[**Vazquez et al., 2009**]   120910_cachdend.mod (419), 120910_gkcadend.mod (420), 120910_ikhhdend.mod (421), 120910_kadend.mod (422), 120910_leakdend.mod (423), 120910_nadend.mod (424)

[**Steephen and Manchanda, 2009**]   121060_AMPA.mod (425), 121060_GABA.mod (426), 121060_NMDA.mod (427), 121060_chan_BKKCa.mod (428), 121060_chan_CaKdyn.mod (429), 121060_chan_CaL12.mod (430), 121060_chan_CaL13.mod (431), 121060_chan_CaN.mod (432), 121060_chan_CaQ.mod (433), 121060_chan_CaR.mod (434), 121060_chan_CaT.mod (435), 121060_chan_Cadyn.mod (436), 121060_chan_KAs.mod (437), 121060_chan_KIR.mod (438), 121060_chan_KRP.mod (439), 121060_chan_NaF.mod (440), 121060_chan_NaP.mod (441), 121060_chan_SKKCa.mod (442), 121060_chan_inKIR.mod (443)

[**Bellinger et al., 2008**]   121253_Nakpump.mod (444), 121253_axnodenew2.mod (445), 121253_fastK.mod (446), 121253_kdifl.mod (447), 121253_kdifrl.mod (448), 121253_train.mod (449), 121253_axnodenew2_icgNA2.mod (3456)

[**Bogaard et al., 2009**]   121259_WMPas.mod (450), 121259_WMPas2.mod (451), 121259_WMPasDend.mod (452), 121259_WMPasDend2.mod (453), 121259_h.mod (454), 121259_h2.mod (455), 121259_kaprox.mod (456), 121259_kaprox2.mod (457), 121259_kdrca1.mod (458), 121259_kdrca12.mod (459), 121259_nax.mod (460), 121259_nax2.mod (461)

[**Deister et al., 2009**]   122329_ca_gp.mod (462), 122329_cap_gp.mod (463), 122329_hcn12_gp.mod (464), 122329_hcn2_gp.mod (465), 122329_kcnq_gp.mod (466), 122329_kv1_gp.mod (467), 122329_kv2_gp.mod (468), 122329_kv3_gp.mod (469), 122329_kv4_gp.mod (470), 122329_leak_gp.mod (471), 122329_na1_gp.mod (472), 122329_na6_gp.mod (473), 122329_sk_gp.mod (474), 122329_syn.mod (475)

[**Akemann et al., 2009**]   123453_Caint.mod (476), 123453_Cav2.mod (477), 123453_HCN.mod (478), 123453_KCa1.mod (479), 123453_Kv1.mod (480), 123453_Kv3.mod (481), 123453_Kv4.mod (482), 123453_Nav11.mod (483), 123453_VSFP23M3.mod (484), 123453_VSFP31M3.mod (485), 123453_leak.mod (486)

[**Pospischil et al., 2008**]   123623_HH_traub.mod (487), 123623_IL_gutnick.mod (488), 123623_IM_cortex.mod (489), 123623_IT_huguenard.mod (490), 123623_cadecay_destexhe.mod (491)

[**Cutsuridis et al., 2010**]   123815_ANsyn.mod (492), 123815_IA.mod (493), 123815_Ih.mod (494), 123815_Kaxon.mod (495), 123815_Kdend.mod (496), 123815_Ksoma.mod (497), 123815_LcaMig.mod (498), 123815_Naaxon.mod (499), 123815_Nadend.mod (500), 123815_Nasoma.mod (501), 123815_STDPE2Syn.mod (502), 123815_bgka.mod (503), 123815_burststim2.mod (504), 123815_cad.mod (505), 123815_cagk.mod (506), 123815_cal.mod (507), 123815_calH.mod (508), 123815_car.mod (509), 123815_cat.mod (510), 123815_ccanl.mod (511), 123815_gskch.mod (512), 123815_h.mod (513), 123815_hNa.mod (514), 123815_hha2.mod (515), 123815_hha_old.mod (516), 123815_ichan2.mod (517), 123815_kad.mod (518), 123815_kap.mod (519), 123815_kca.mod (520), 123815_km.mod (521), 123815_my_exp2syn.mod (522), 123815_nca.mod (523), 123815_nmda.mod (524), 123815_regn_stim.mod (525), 123815_somacar.mod (526), 123815_ichan2_icgK2.mod (3476)

[**Hu et al., 2009**]   123897_ca.mod (527), 123897_cad.mod (528), 123897_gabaa.mod (529), 123897_kca.mod (530), 123897_km.mod (531), 123897_kv.mod (532), 123897_na.mod (533), 123897_na12.mod (534), 123897_na16.mod (535)

[**Wimmer et al., 2010**]   123927_CAR.mod (536), 123927_CAT.mod (537), 123927_CAl.mod (538), 123927_CAnpq.mod (539), 123927_Ca2Dyn.mod (540), 123927_CaDyn.mod (541), 123927_KAHP.mod (542), 123927_KCT.mod (543), 123927_KM.mod (544), 123927_Nap.mod (545), 123927_NapIn.mod (546), 123927_h.mod (547), 123927_ka.mod (548), 123927_kdr.mod (549), 123927_kleck.mod (550), 123927_kslow.mod (551), 123927_na3.mod (552), 123927_naxmig.mod (553)

[**Larkum et al., 2009**]   124043_Kdr.mod (554), 124043_SlowCa.mod (555), 124043_ampa.mod (556), 124043_cad2.mod (557), 124043_glutamate.mod (558), 124043_h.mod (559), 124043_h2.mod (560), 124043_hh3.mod (561), 124043_ih.mod (562), 124043_it2.mod (563), 124043_kap.mod (564), 124043_kca.mod (565), 124043_kdf.mod (566), 124043_kdr2.mod (567), 124043_km.mod (568), 124043_hh3_icgK2.mod (3477)

**[Stehle et al., 1990]** 124063_A2hh_k.mod (569), 124063_A2hh_na.mod (570), 124063_Bip_Ca.mod (571), 124063_Bip_Cad.mod (572), 124063_Bip_Ka.mod (573), 124063_Bip_Kv.mod (574), 124063_Bip_ih.mod (575), 124063_Cone_CPR.mod (576), 124063_Cone_Kv.mod (577), 124063_Cone_ih.mod (578), 124063_Ganglion_hh.mod (579), 124063_Rod_Ca.mod (580), 124063_Rod_Cad.mod (581), 124063_Rod_Clca.mod (582), 124063_Rod_Kca.mod (583), 124063_Rod_Kv.mod (584), 124063_Rod_Kx.mod (585), 124063_Rod_ih.mod (586), 124063_Rod_leak.mod (587), 124063_gap.mod (588), 124063_syn_bip_gan.mod (589), 124063_syn_rod_bip.mod (590), 124063_Ganglion_hh_icgK2.mod (3478)

**[Ferrante et al., 2009]** 124291_fna.mod (591), 124291_ichan2.mod (592), 124291_kaprox.mod (593), 124291_kdr.mod (594), 124291_kdrca1.mod (595), 124291_na3n.mod (596), 124291_nmdanetGR.mod (597), 124291_ichan2_icgK2.mod (3449)

**[Nevian et al., 2007]** 124394_ampa_syn.mod (598), 124394_double_synapse.mod (599), 124394_hh3.mod (600), 124394_nmda_syn.mod (601)

**[Santhakumar et al., 2005]** 51781_CaBK.mod (2068), 51781_Gfluct2.mod (2069), 51781_LcaMig.mod (2070), 51781_bgka.mod (2071), 51781_ccanl.mod (2072), 51781_gskch.mod (2073), 51781_hyperde3.mod (2074), 51781_ichan2.mod (2075), 51781_nca.mod (2076), 51781_tca.mod (2077), 97917_CaBK.mod (2596), 97917_Gfluct2.mod (2597), 97917_LcaMig.mod (2598), 97917_alphasyndiffeq.mod (2599), 97917_alphasynkin.mod (2600), 97917_alphasynkint.mod (2601), 97917_ampa.mod (2602), 97917_ar.mod (2603), 97917_bgka.mod (2604), 97917_cad.mod (2605), 97917_cal.mod (2606), 97917_cat.mod (2607), 97917_cat_a.mod (2608), 97917_ccanl.mod (2609), 97917_gabaa.mod (2610), 97917_gskch.mod (2611), 97917_hyperde3.mod (2612), 97917_ichan2.mod (2613), 97917_iclamp_const.mod (2614), 97917_k2.mod (2615), 97917_kahp.mod (2618), 97917_kahp_deeppyr.mod (2619), 97917_kahp_slower.mod (2620), 97917_kc.mod (2621), 97917_kc_fast.mod (2622), 97917_kdr.mod (2623), 97917_kdr_fs.mod (2624), 97917_km.mod (2625), 97917_naf.mod (2626), 97917_naf2.mod (2627), 97917_naf_tcr.mod (2628), 97917_nap.mod (2629), 97917_napf.mod (2630), 97917_napf_spinstell.mod (2631), 97917_napf_tcr.mod (2632), 97917_nca.mod (2633), 97917_par_ggap.mod (2634), 97917_pulsesyn.mod (2635), 97917_rampsyn.mod (2636), 97917_rand.mod (2637), 97917_ri.mod (2638), 97917_tca.mod (2639), 97917_traub_nmda.mod (2640), 97917_ichan2_icgK2.mod (3454), 51781_hyperde3_icgIH2.mod (3471), 97917_hyperde3_icgIH2.mod (3472), 51781_ichan2_icgK2.mod (3488)

**[Dyhrfjeld-Johnsen et al., 2007]**

**[Morgan and Soltesz, 2008]**

**[Morgan et al., 2007]** 124513_CaBK.mod (602), 124513_Gfluct2.mod (603), 124513_LcaMig.mod (604), 124513_bgka.mod (605), 124513_ccanl.mod (606), 124513_gskch.mod (607), 124513_hyperde3.mod (608), 124513_ichan2.mod (609), 124513_inhsyn.mod (610), 124513_nca.mod (611), 124513_ppsyn.mod (612), 124513_tca.mod (613), 124513_ichan2_icgK2.mod (3450), 124513_hyperde3_icgIH2.mod (3463)

**[Uebachs et al., 2010]** 125152_CAR.mod (614), 125152_CAT.mod (615), 125152_CAl.mod (616), 125152_CAnpq.mod (617), 125152_Ca2Dyn.mod (618), 125152_CaDyn.mod (619), 125152_KAHP.mod (620), 125152_KCT.mod (621), 125152_KM.mod (622), 125152_Nap.mod (623), 125152_NapIn.mod (624), 125152_h.mod (625), 125152_ka.mod (626), 125152_kdr.mod (627), 125152_kleck.mod (628), 125152_kslow.mod (629), 125152_na3.mod (630), 125152_naxmig.mod (631)

**[Lee et al., 2003]** 125378_ca12dZUy.mod (632)

**[Diba et al., 2006]** 125385_RNG.mod (633), 125385_cad2.mod (634), 125385_child.mod (635), 125385_childa.mod (636), 125385_epsp.mod (637), 125385_myvmax.mod (638), 125385_sca.mod (639), 125385_sit2.mod (640), 125385_skaprox.mod (641), 125385_skca.mod (642), 125385_skm.mod (643), 125385_skv.mod (644), 125385_sna.mod (645), 125385_snap.mod (646)

**[Carvalho and Buonomano, 2009]** 125689_EPlasSom.mod (647), 125689_EPlasSyn.mod (648), 125689_EPlasSyntoInh.mod (649), 125689_EtoISom (650), 125689_ExIAF.mod (651), 125689_INPUT.mod (652), 125689_IPlasSom.mod (653), 125689_IPlasSyn.mod (654), 125689_InhIAF.mod (655), 125689_noise.mod (656)

**[Fink et al., 2000]** 125745_bkr.mod (657), 125745_cdp.mod (658), 125745_ip3cum.mod (659)

**[Lytton, 1997]** 12631_AMPA.mod (669), 12631_GABAA.mod (670), 12631_GABAB1.mod (671), 12631_GABALOW.mod (672), 12631_HH_traub.mod (673), 12631_IAHP_destexhe.mod (674), 12631_ICAN_destexhe.mod (675), 12631_ICAN_voltdep.mod (676), 12631_IT2_huguenard.mod (677), 12631_IT_wang.mod (678), 12631_Ih_old.mod (679), 12631_NMDA.mod (680), 12631_calciumpump_destexhe.mod (681)

**[Negroni and Lascano, 1996]** 126467_Cont.mod (687)

**[Brown et al., 2011]** 126637_CaE.mod (688), 126637_CaEcvode.mod (689), 126637_CaP2.mod (690), 126637_CaP2cvode.mod (691), 126637_CaT.mod (692), 126637_CaTcvode.mod (693), 126637_CalciumP.mod (694), 126637_K23.mod (695), 126637_K23cvode.mod (696), 126637_KA.mod (697), 126637_KAcvode.mod (698), 126637_KC3.mod (699), 126637_KC3cvode.mod (700), 126637_KD.mod (701), 126637_KDcvode.mod (702), 126637_KM.mod (703), 126637_KMcvode.mod (704), 126637_Kh.mod (705), 126637_Khcvode.mod (706), 126637_Khh.mod (707), 126637_Khhcvode.mod (708), 126637_Leak.mod (709), 126637_NaF.mod (710), 126637_NaFcvode.mod (711), 126637_NaP.mod (712), 126637_NaPcvode (713)

**[Spiga et al., 2010]** 126640_kaf.mod (714), 126640_kas.mod (715), 126640_krp.mod (716), 126640_naf.mod (717), 126640_netstimd.mod (718)

**[Ascoli et al., 2010]** 126776_h.mod (719), 126776_kadist.mod (720), 126776_kaprox.mod (721), 126776_kdrca1.mod (722), 126776_na3n.mod (723), 126776_naxn.mod (724)

**[Safiulina et al., 2010]** 126814_KahpM95.mod (725), 126814_cacumm.mod (726), 126814_cagk.mod (727), 126814_cal2.mod (728), 126814_can2.mod (729), 126814_cat.mod (730), 126814_h.mod (731), 126814_kaprox.mod (732), 126814_kdrca1.mod (733), 126814_km.mod (734), 126814_na3n.mod (735)

[**Botta et al., 2010**]  127021_Golgi_BK.mod (736), 127021_Golgi_CALC.mod (737), 127021_Golgi_CALC_ca2.mod (738), 127021_Golgi_Ca_HVA.mod (739), 127021_Golgi_Ca_LVA.mod (740), 127021_Golgi_KA.mod (741), 127021_Golgi_KM.mod (742), 127021_Golgi_KV.mod (743), 127021_Golgi_Na.mod (744), 127021_Golgi_NaP.mod (745), 127021_Golgi_NaR.mod (746), 127021_Golgi_SK2.mod (747), 127021_Golgi_hcn1.mod (748), 127021_Golgi_hcn2.mod (749), 127021_Golgi_lkg.mod (750), 127021_K_conc.mod (751), 127021_Na_conc.mod (752), 127021_Pregen.mod (753), 127021_Synapse.mod (754), 127021_pump.mod (755)

[**Hahn and McIntyre, 2010**]  127388_ampap.mod (756), 127388_dbsStim.mod (757), 127388_gabaap.mod (758), 127388_myions.mod (759), 127388_pGPeA.mod (760), 127388_pSTN.mod (761), 127388_scopRandom.mod (762), 127388_twoStateGen.mod (763), 127388_pSTN_icgK2.mod (3479), 127388_pSTN_icgCA2.mod (3494)

[**Kuznetsova et al., 2010**]  127507_cabal.mod (764), 127507_nabalan.mod (765), 127507_newcachan.mod (766), 127507_newhh3.mod (767), 127507_newkca.mod (768), 127507_newleak.mod (769), 127507_pump.mod (770), 127507_stim.mod (771), 127507_newhh3_icgK2.mod (3480)

[**Linaro et al., 2011**]  127992_HHcn.mod (772), 127992_HHcnf.mod (773), 127992_HHmicro.mod (774)

[**Migliore et al., 2010**]  127995_ThreshDetect.mod (775), 127995_ampanmda.mod (776), 127995_fi.mod (777), 127995_kamt.mod (778), 127995_kdrmt.mod (779), 127995_naxn.mod (780)

[**Schmidt-Hieber and Bischofberger, 2010**]  128079_HHrates.mod (781), 128079_KIn.mod (782), 128079_hhmfb.mod (783), 128079_na8st.mod (784), 128079_nakole.mod (785), 128079_naxkole.mod (786), 128079_spines.mod (787)

[**Nieus et al., 2006**]  128446_Ampa.mod (788), 128446_Nmda.mod (789), 128446_pregen2.mod (790)

[**Aguiar et al., 2010**]  128559_AMPA_DynSyn.mod (791), 128559_CaIntraCellDyn.mod (792), 128559_GABAa_DynSyn.mod (793), 128559_GABAb_DynSyn.mod (794), 128559_HH2.mod (795), 128559_NK1_DynSyn.mod (796), 128559_NMDA_DynSyn.mod (797), 128559_iCaAN.mod (798), 128559_iCaL.mod (799), 128559_iKCa.mod (800), 128559_iNaP.mod (801), 128559_mGluR_DynSyn.mod (802)

[**Welday et al., 2011**]  129067_Nap.mod (803), 129067_ampa.mod (804), 129067_vecevent.mod (805)

[**Shu et al., 2007a**]

[**Shu et al., 2006**]  135787_Gfluct.mod (806), 135787_NMDA_Mg.mod (807), 135787_ampa5.mod (808), 135787_ca.mod (809), 135787_caL3d.mod (810), 135787_cad.mod (811), 135787_capump.mod (812), 135787_gabaa5.mod (813), 135787_ia.mod (814), 135787_iahp.mod (815), 135787_iahp2.mod (816), 135787_ih.mod (817), 135787_im.mod (818), 135787_kca.mod (819), 135787_km.mod (820), 135787_kv.mod (821), 135787_na.mod (822), 135787_nmda5.mod (823), 135787_release.mod (824)

[**Alle et al., 2009**]  135838_GCa.mod (825), 135838_GK.mod (826), 135838_GNa.mod (827), 135838_peak.mod (828)

[**McCormick et al., 2007**]

[**Yu et al., 2008**]  135839_Gfluct.mod (829), 135839_NMDA_Mg.mod (830), 135839_ca.mod (831), 135839_caL3d.mod (832), 135839_cad.mod (833), 135839_capump.mod (834), 135839_gabaa5.mod (835), 135839_ia.mod (836), 135839_iahp.mod (837), 135839_iahp2.mod (838), 135839_ih.mod (839), 135839_im.mod (840), 135839_kca.mod (841), 135839_km.mod (842), 135839_kv.mod (843), 135839_na.mod (844), 135839_nmda5.mod (845), 135839_release.mod (846)

[**Shu et al., 2007b**]  135898_Gfluct.mod (847), 135898_h.mod (848), 135898_kd.mod (849), 135898_kv.mod (850), 135898_na.mod (851)

[**Stacey et al., 2009**]  135902_CA1ih.mod (852), 135902_CA1ika.mod (853), 135902_CA1ikdr.mod (854), 135902_CA1ina.mod (855), 135902_Edrive.mod (856), 135902_Exp2SynAMPA.mod (857), 135902_Exp2SynAMPApre.mod (858), 135902_Exp2SynNMDA.mod (859), 135902_Exp2SynNMDAperm.mod (860), 135902_Exp2SynNMDApre.mod (861), 135902_caolmw.mod (862), 135902_capr.mod (863), 135902_fvpre.mod (864), 135902_gap.mod (865), 135902_halfgap.mod (866), 135902_icaolmw.mod (867), 135902_icapr.mod (868), 135902_iholmkop.mod (869), 135902_iholmw.mod (870), 135902_ihpyrkop.mod (871), 135902_kahppr.mod (872), 135902_kaolmkop.mod (873), 135902_kapyrkop.mod (874), 135902_kcaolmw.mod (875), 135902_kcpr.mod (876), 135902_kdrbwb.mod (877), 135902_kdrca1.mod (878), 135902_kdrolmkop.mod (879), 135902_kdrpr.mod (880), 135902_kdrpyrkop.mod (881), 135902_na3n.mod (882), 135902_nafbwb.mod (883), 135902_nafolmkop.mod (884), 135902_nafpr.mod (885), 135902_nafpyrkop.mod (886), 135902_par_ggap.mod (887), 135902_CA1ika_icgK2.mod (3459)

[**Stacey et al., 2011**]  135903_CA1ih.mod (888), 135903_CA1ika.mod (889), 135903_CA1ikdr.mod (890), 135903_CA1ina.mod (891), 135903_Edrive.mod (892), 135903_Exp2SynAMPA.mod (893), 135903_Exp2SynAMPApre.mod (894), 135903_Exp2SynNMDA.mod (895), 135903_Exp2SynNMDAperm.mod (896), 135903_Exp2SynNMDApre.mod (897), 135903_caolmw.mod (898), 135903_capr.mod (899), 135903_fvpre.mod (900), 135903_gap.mod (901), 135903_halfgap.mod (902), 135903_icaolmw.mod (903), 135903_icapr.mod (904), 135903_iholmkop.mod (905), 135903_iholmw.mod (906), 135903_ihpyrkop.mod (907), 135903_kahppr.mod (908), 135903_kaolmkop.mod (909), 135903_kapyrkop.mod (910), 135903_kcaolmw.mod (911), 135903_kcpr.mod (912), 135903_kdrbwb.mod (913), 135903_kdrca1.mod (914), 135903_kdrolmkop.mod (915), 135903_kdrpr.mod (916), 135903_kdrpyrkop.mod (917), 135903_na3n.mod (918), 135903_nafbwb.mod (919), 135903_nafolmkop.mod (920), 135903_nafpr.mod (921), 135903_nafpyrkop.mod (922), 135903_par_ggap.mod (923), 135903_CA1ika_icgK2.mod (3460)

[**Djurisic et al., 2008**]  136026_kd.mod (924), 136026_monx.mod (925), 136026_na.mod (926)

[**Neymotin et al., 2011a**]  136095_A.mod (927), 136095_AMPA.mod (928), 136095_AMPAr.mod (929), 136095_GABAa.mod (930), 136095_GABAar.mod (931), 136095_GABAb.mod (932), 136095_GABAbr.mod (933), 136095_H.mod (934), 136095_IL.mod (935), 136095_IL3.mod (936), 136095_Iahp.mod (937), 136095_Ican.mod (938), 136095_NMDA.mod (939), 136095_NMDAr.mod (940), 136095_cp.mod (941), 136095_cp2.mod (942), 136095_kdr2.mod (943), 136095_kmbg.mod (944), 136095_naf2.mod (945), 136095_nap.mod (946), 136095_ntIh.mod (947), 136095_nthh.mod (948), 136095_ntt.mod (949)

**[Katona et al., 2011]** 136176_ampa_syn.mod (950), 136176_double_synapse.mod (951), 136176_hh3.mod (952), 136176_nmda_syn.mod (953)

**[Munro and Kopell, 2012]** 136309_extrema.mod (954), 136309_gap.mod (955), 136309_k2_Traub.mod (956), 136309_ka_Traub.mod (957), 136309_kdr_Jonas.mod (958), 136309_kdr_Traub.mod (959), 136309_kdr_Yu.mod (960), 136309_naf_Jonas.mod (961), 136309_naf_Traub.mod (962), 136309_naf_Yu.mod (963), 136309_pas_basket.mod (964), 136309_pas_chand.mod (965)

**[Bedard et al., 2004]** 136310_ImpedanceFM.mod (966)

**[Fleidervish et al., 2010]** 136715_Kv1.mod (967), 136715_hh_Ca_scaled.mod (968), 136715_hh_Cp_scaled.mod (969), 136715_hh_Cs_scaled.mod (970), 136715_kv.mod (971), 136715_nadifl.mod (972)

**[Jones et al., 2009]** 136803_ar.mod (973), 136803_ca.mod (974), 136803_cad.mod (975), 136803_cat.mod (976), 136803_dipole.mod (977), 136803_kca.mod (978), 136803_km.mod (979), 136803_pp_dipole.mod (980)

**[Baker et al., 2011]** 137259_KahpM95.mod (981), 137259_cacumm.mod (982), 137259_cagk.mod (983), 137259_cal2.mod (984), 137259_can2.mod (985), 137259_cat.mod (986), 137259_exp2nmdar.mod (987), 137259_h.mod (988), 137259_kadist.mod (989), 137259_kaprox.mod (990), 137259_kd.mod (991), 137259_kdrca1.mod (992), 137259_km.mod (993), 137259_na3n.mod (994)

**[Hines et al., 2011]** 137845_invlfire.mod (995)

**[Gurkiewicz et al., 2011]** 138082_FVNaG3e.mod (996), 138082_WTNaG3e.mod (997)

**[Migliore et al., 2011]** 138205_Gfluct.mod (998), 138205_distr.mod (999), 138205_h.mod (1000), 138205_kadist.mod (1001), 138205_kaprox.mod (1002), 138205_kdrca1.mod (1003), 138205_na3n.mod (1004), 138205_naxn.mod (1005), 138205_netstims.mod (1006)

**[Ostroumov, 2007]** 138273_IKaSM.mod (1007), 138273_IKdrSM.mod (1008), 138273_INaSM.mod (1009)

**[Pashut et al., 2011]** 138321_SlowCa.mod (1010), 138321_cad2.mod (1011), 138321_child.mod (1012), 138321_childa.mod (1013), 138321_epsp.mod (1014), 138321_it2.mod (1015), 138321_kaprox.mod (1016), 138321_kca.mod (1017), 138321_km.mod (1018), 138321_kv.mod (1019), 138321_na.mod (1020), 138321_xtra.mod (1021), 138321_xtra_v2.mod (1022)

**[Neymotin et al., 2011c]** 138379_intf6_.mod (1023), 138379_misc.mod (1024), 138379_nstim.mod (1025), 138379_stats.mod (1026), 138379_vecst.mod (1027)

**[Anwar et al., 2012]** 138382_CALC.mod (1028), 138382_CALC_DP.mod (1029), 138382_CALC_ca2_DP.mod (1030), 138382_CaT3_1.mod (1031), 138382_CaT3_1_DP.mod (1032), 138382_SK2.mod (1033), 138382_SK2_DP.mod (1034), 138382_cdp3.mod (1035), 138382_cdp5.mod (1036), 138382_leak.mod (1037), 138382_mslo.mod (1038), 138382_mslo_DP.mod (1039), 138382_newCaP.mod (1040), 138382_newCaP_DP.mod (1041)

**[Poleg-Polsky and Diamond, 2011]** 139150_glutamate.mod (1042), 139150_hh3.mod (1043), 139150_inhib.mod (1044), 139150_linsyn.mod (1045), 139150_hh3_icgK2.mod (3481)

**[Fietkiewicz et al., 2011]** 139418_ISK.mod (1046), 139418_capump.mod (1047), 139418_cax.mod (1048), 139418_nkpump.mod (1049), 139418_potassiumcontrol.mod (1050)

**[Neymotin et al., 2011b]** 139421_CA1ih.mod (1051), 139421_CA1ika.mod (1052), 139421_CA1ikdr.mod (1053), 139421_CA1ina.mod (1054), 139421_MyExp2Syn.mod (1055), 139421_MyExp2SynAlpha.mod (1056), 139421_MyExp2SynBB.mod (1057), 139421_MyExp2SynNMDA.mod (1058), 139421_MyExp2SynNMDABB.mod (1059), 139421_caolmw.mod (1060), 139421_capr.mod (1061), 139421_icaolmw.mod (1062), 139421_icapr.mod (1063), 139421_iholmkop.mod (1064), 139421_iholmw.mod (1065), 139421_ihpyrkop.mod (1066), 139421_kahppr.mod (1067), 139421_kaolmkop.mod (1068), 139421_kapyrkop.mod (1069), 139421_kcaolmw.mod (1070), 139421_kcpr.mod (1071), 139421_kdrbwb.mod (1072), 139421_kdrolmkop.mod (1073), 139421_kdrpr.mod (1074), 139421_kdrpyrkop.mod (1075), 139421_misc.mod (1076), 139421_nafbwb.mod (1077), 139421_nafolmkop.mod (1078), 139421_nafpr.mod (1079), 139421_nafpyrkop.mod (1080), 139421_stats.mod (1081), 139421_vecst.mod (1082), 139421_wrap.mod (1083), 139421_CA1ika_icgK2.mod (3461)

**[Hay et al., 2011]** 139653_CaDynamics_E2.mod (1084), 139653_Ca_HVA.mod (1085), 139653_Ca_LVAst.mod (1086), 139653_Ih.mod (1087), 139653_Im.mod (1088), 139653_K_Pst.mod (1089), 139653_K_Tst.mod (1090), 139653_NaTa_t.mod (1091), 139653_NaTs2_t.mod (1092), 139653_Nap_Et2.mod (1093), 139653_SK_E2.mod (1094), 139653_SKv3_1.mod (1095), 139653_epsp.mod (1096)

**[Rossert et al., 2011]** 139654_fh.mod (1097), 139654_kca.mod (1098), 139654_klt.mod (1099), 139654_kml.mod (1100), 139654_leak.mod (1101)

**[Simoes de Souza and De Schutter, 2011]** 139656_GRC_CA.mod (1102), 139656_GRC_CALC.mod (1103), 139656_GRC_KA.mod (1104), 139656_GRC_KCA.mod (1105), 139656_GRC_KIR.mod (1106), 139656_GRC_KM.mod (1107), 139656_GRC_KV.mod (1108), 139656_GRC_LKG1.mod (1109), 139656_GRC_LKG2.mod (1110), 139656_GRC_NA.mod (1111), 139656_Golgi_BK.mod (1112), 139656_Golgi_CALC.mod (1113), 139656_Golgi_CALC_ca2.mod (1114), 139656_Golgi_Ca_HVA.mod (1115), 139656_Golgi_Ca_LVA.mod (1116), 139656_Golgi_KA.mod (1117), 139656_Golgi_KM.mod (1118), 139656_Golgi_KV.mod (1119), 139656_Golgi_Na.mod (1120), 139656_Golgi_NaP.mod (1121), 139656_Golgi_NaR.mod (1122), 139656_Golgi_SK2.mod (1123), 139656_Golgi_hcn1.mod (1124), 139656_Golgi_hcn2.mod (1125), 139656_Golgi_lkg.mod (1126), 139656_K_conc.mod (1127), 139656_Na_conc.mod (1128), 139656_gap.mod (1129)

**[Kopp-Scheinpflug et al., 2011]** 139657_ht.mod (1130), 139657_lt.mod (1131), 139657_lva.mod (1132), 139657_mhh_Gfluct.mod (1133), 139657_netstims.mod (1134), 139657_sjg_ih.mod (1135), 139657_sjg_na.mod (1136), 139657_trigstim.mod (1137)

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**[Diwakar et al., 2011]** 139883_AmpaCOD.mod (1138), 139883_GRC_CA.mod (1139), 139883_GRC_CALC.mod (1140), 139883_GRC_GABA.mod (1141), 139883_GRC_KA.mod (1142), 139883_GRC_KCA.mod (1143), 139883_GRC_KIR.mod (1144), 139883_GRC_KM.mod (1145), 139883_GRC_KV.r (1146), 139883_GRC_LKG1.mod (1147), 139883_GRC_LKG2.mod (1148), 139883_GRC_NA.mod (1149), 139883_NmdaS.mod (1150), 139883_Pregen.mo (1151)

**[Kovalsky et al., 2009]** 140038_inter.mod (1152), 140038_kdr7.mod (1153), 140038_late2.mod (1154), 140038_shift_hh_6.mod (1155)

**[Halnes et al., 2011]** 140249_Cad.mod (1156), 140249_HH_traub.mod (1157), 140249_Ican.mod (1158), 140249_iahp.mod (1159), 140249_iar.mod (1160), 140249_ical.mod (1161), 140249_it2.mod (1162)

**[Masurkar and Chen, 2011a]** 140462_Ikt2m2h.mod (1167)

**[Masurkar and Chen, 2011b]** 140462_ICat1m3h.mod (1163), 140462_ICat2.mod (1164), 140462_IKt1m4h.mod (1165), 140462_IKt3.mod (1166), 140462_ipulse2.mod (1168), 140462_nmitral.mod (1169)

**[Jaffe et al., 2011]** 140471_Ca.mod (1170), 140471_aabBK.mod (1171)

**[Branco et al., 2010]**

**[Branco and Hausser, 2011]** 140828_CaT.mod (1172), 140828_HH2.mod (1173), 140828_NMDA_Mg_T.mod (1174), 140828_ar.mod (1175), 140828_ca.mod (1176), 140828_caL3d.mod (1177), 140828_cad.mod (1178), 140828_h.mod (1179), 140828_inwardrect.mod (1180), 140828_kca.mod (1181), 140828_kir.mod (1182), 140828_km.mod (1183), 140828_kv.mod (1184), 140828_na.mod (1185), 140828_release_BMK.mod (1186)

**[Orio and Soudry, 2012]** 141272_hh2CW.mod (1192), 141272_hh2F.mod (1193), 141272_hh58CW.mod (1194), 141272_hh58F1.mod (1195), 141272_hh58F1ss.mod (1196), 141272_hhdet.mod (1197)

**[Vierling-Claassen et al., 2010]** 141273_Gfluct.mod (1198), 141273_ar.mod (1199), 141273_ca.mod (1200), 141273_cad.mod (1201), 141273_cat.mod (1202), 141273_fdsexp2syn.mod (1203), 141273_gnetstim.mod (1204), 141273_kca.mod (1205), 141273_km.mod (1206), 141273_kv.mod (1207), 141273_na_2.mod (1208)

**[Kerr et al., 2012]** 141505_infot.mod (1209), 141505_intf6_.mod (1210), 141505_intfsw.mod (1211), 141505_misc.mod (1212), 141505_nstim.mod (1213), 141505_staley.mod (1214), 141505_stats.mod (1215), 141505_vecst.mod (1216)

**[Fujita et al., 2012]** 143100_CaH.mod (1217), 143100_HCN.mod (1218), 143100_KCNQ.mod (1219), 143100_Kv2.mod (1220), 143100_Kv3.mod (1221), 143100_Kv4f.mod (1222), 143100_Kv4s.mod (1223), 143100_NaF.mod (1224), 143100_NaP.mod (1225), 143100_SK.mod (1226), 143100_calcium.mod (1227), 143100_leak.mod (1228)

**[Zhou and Colburn, 2010]** 143114_Alpha.mod (1229), 143114_currentGauss.mod (1230), 143114_refrac_abs.mod (1231), 143114_refrac_rel.mod (1232), 143114_vecevent.mod (1233)

**[Foust et al., 2011]** 143442_kd.mod (1234), 143442_kv.mod (1235), 143442_na.mod (1236)

**[Casale and McCormick, 2011]** 143635_kht.mod (1237), 143635_mhw.mod (1238), 143635_na.mod (1239)

**[Powers et al., 2012]** 143671_Gfluctdv.mod (1240), 143671_L_Ca.mod (1241), 143671_ghchan.mod (1242), 143671_kca2.mod (1243), 143671_kdrRL.mod (1244), 143671_mAHP.mod (1245), 143671_na3rp.mod (1246), 143671_naps.mod (1247), 143671_synss.mod (1248)

**[Bianchi et al., 2012]** 143719_cad.mod (1249), 143719_cagk.mod (1250), 143719_cal.mod (1251), 143719_calH.mod (1252), 143719_car.mod (1253), 143719_cat.mod (1254), 143719_d3.mod (1255), 143719_h.mod (1256), 143719_kadist.mod (1257), 143719_kaprox.mod (1258), 143719_kca.mod (1259), 143719_kdr.mod (1260), 143719_km.mod (1261), 143719_na3.mod (1262), 143719_na3dend.mod (1263), 143719_na3notrunk.mod (1264), 143719_nap.mod (1265), 143719_nax.mod (1266), 143719_somacar.mod (1267)

**[Jones and Gabbiani, 2012a]** 144007_LGMD_Ca.mod (1268), 144007_LGMD_CaL.mod (1269), 144007_LGMD_HH_Kdr_sf35.mod (1270), 144007_LGMD_HH_Na_sf35.mod (1271), 144007_LGMD_KCa.mod (1272)

**[Jones and Gabbiani, 2012b]** 144007_LGMD_Ca.mod (1268), 144007_LGMD_CaL.mod (1269), 144007_LGMD_HH_Kdr_sf35.mod (1270), 144007_LGMD_HH_Na_sf35.mod (1271), 144007_LGMD_KCa.mod (1272)

**[McTavish et al., 2012]** 144054_ThreshDetect.mod (1273), 144054_ampanmda.mod (1274), 144054_fi.mod (1275), 144054_kamt.mod (1276), 144054_kdrmt.mod (1277), 144054_naxn.mod (1278)

**[Sidiropoulou and Poirazi, 2012]** 144089_NMDA.mod (1279), 144089_ampa.mod (1280), 144089_cad.mod (1281), 144089_cal.mod (1282), 144089_can.mod (1283), 144089_car.mod (1284), 144089_cat.mod (1285), 144089_d3.mod (1286), 144089_gabaa.mod (1287), 144089_gabab.mod (1288), 144089_h.mod (1289), 144089_ican.mod (1290), 144089_kadist.mod (1291), 144089_kca.mod (1292), 144089_kct.mod (1293), 144089_kd.mod (1294), 144089_kdrD.mod (1295), 144089_km.mod (1296), 144089_naf.mod (1297), 144089_nap.mod (1298), 144089_netstimmm.mod (1299), 144089_sinclamp.mod (1300)

**[Shepherd and Brayton, 1979]** 144385_ampa.mod (1309), 144385_ca.mod (1310), 144385_cad.mod (1311), 144385_cadiffus.mod (1312), 144385_canmda.mod (1313), 144385_car.mod (1314), 144385_excite.mod (1315), 144385_gabaa.mod (1316), 144385_inhib.mod (1317), 144385_kca.mod (1318), 144385_km.mod (1319), 144385_kv.mod (1320), 144385_na.mod (1321), 144385_nmda.mod (1322)

**[Shah et al., 2011]**  144392_KahpM95.mod (1323), 144392_cacumm.mod (1324), 144392_cat.mod (1325), 144392_h.mod (1326), 144392_kadist.mod (1327), 144392_kaprox.mod (1328), 144392_kdrca1.mod (1329), 144392_km.mod (1330), 144392_na3n.mod (1331), 144392_naxn.mod (1332)

**[Vladimirov et al., 2012]**  144401_bias.mod (1333), 144401_cad.mod (1334), 144401_cal.mod (1335), 144401_gap.mod (1336), 144401_ipulse1.mod (1337), 144401_ka.mod (1338), 144401_kahp.mod (1339), 144401_kc.mod (1340), 144401_kdr.mod (1341), 144401_km.mod (1342), 144401_naf.mod (1343)

**[Gomez Gonzalez et al., 2011]**  144450_KdBG.mod (1344), 144450_NMDAb.mod (1345), 144450_ampa.mod (1346), 144450_cad.mod (1347), 144450_cal.mod (1348), 144450_calH.mod (1349), 144450_can.mod (1350), 144450_car.mod (1351), 144450_cat.mod (1352), 144450_d3.mod (1353), 144450_gabaa.mod (1354), 144450_gabab.mod (1355), 144450_h.mod (1356), 144450_hha2.mod (1357), 144450_hha_old.mod (1358), 144450_ican.mod (1359), 144450_ipulse1.mod (1360), 144450_ipulse2.mod (1361), 144450_kadist.mod (1362), 144450_kaprox.mod (1363), 144450_kca.mod (1364), 144450_kct.mod (1365), 144450_km.mod (1366), 144450_nap.mod (1367), 144450_netstim.mod (1368), 144450_netstimmm.mod (1369), 144450_nmda.mod (1370), 144450_somacar.mod (1371)

**[Delgado et al., 2010]**  144482_Gfluct.mod (1372), 144482_ampacin.mod (1373), 144482_ar.mod (1374), 144482_ca.mod (1375), 144482_cad.mod (1376), 144482_casoma.mod (1377), 144482_cat.mod (1378), 144482_k2.mod (1379), 144482_k2soma.mod (1380), 144482_ka.mod (1381), 144482_kahp.mod (1382), 144482_kasoma.mod (1383), 144482_kc.mod (1384), 144482_kca.mod (1385), 144482_kdr.mod (1386), 144482_kdrsoma.mod (1387), 144482_km.mod (1388), 144482_kv.mod (1389), 144482_ltpltd.mod (1390), 144482_na.mod (1391), 144482_na1.mod (1392), 144482_naf.mod (1393), 144482_nafsoma.mod (1394), 144482_nap.mod (1395), 144482_nmdacin.mod (1396), 144482_trans.mod (1397)

**[Sterratt et al., 2012]**  144490_ampa_forti.mod (1398), 144490_cacum.mod (1399), 144490_cad.mod (1400), 144490_cagk.mod (1401), 144490_cagk_v2.mod (1402), 144490_cal.mod (1403), 144490_calH.mod (1404), 144490_calH_v2.mod (1405), 144490_cal_v2.mod (1406), 144490_car.mod (1407), 144490_car_mag.mod (1408), 144490_car_v2.mod (1409), 144490_cat.mod (1410), 144490_cat_v2.mod (1411), 144490_d3.mod (1412), 144490_d3_v2.mod (1413), 144490_gabaa.mod (1414), 144490_gabab.mod (1415), 144490_glutamate.mod (1416), 144490_h.mod (1417), 144490_h_v2.mod (1418), 144490_hha2.mod (1419), 144490_hha2_v2.mod (1420), 144490_hha_old.mod (1421), 144490_hha_old_v2.mod (1422), 144490_kadist.mod (1423), 144490_kadist_v2.mod (1424), 144490_kaprox.mod (1425), 144490_kaprox_v2.mod (1426), 144490_kca.mod (1427), 144490_kca_v2.mod (1428), 144490_km.mod (1429), 144490_km_v2.mod (1430), 144490_nap.mod (1431), 144490_nap_v2.mod (1432), 144490_nmda_andr.mod (1433), 144490_nmda_v2.mod (1434), 144490_somacar.mod (1435), 144490_somacar_v2.mod (1436)

**[Aubie et al., 2012]**  144511_HH2.mod (1437), 144511_ampa.mod (1438), 144511_gabaa.mod (1439), 144511_nmda.mod (1440)

**[DiFrancesco and Noble, 1985]**  144520_cadynam.mod (1441), 144520_ibg.mod (1442), 144520_if.mod (1443), 144520_ik1.mod (1444), 144520_ikd.mod (1445), 144520_inaca.mod (1446), 144520_inaf.mod (1447), 144520_inak.mod (1448), 144520_isi.mod (1449), 144520_ito.mod (1450), 144520_kcum.mod (1451), 144520_nacum.mod (1452), 3802_kxph.mod (1953)

**[Luthman et al., 2011]**  144523_CaConc.mod (1453), 144523_CaHVA.mod (1454), 144523_CaLVA.mod (1455), 144523_CalConc.mod (1456), 144523_DCNsyn.mod (1457), 144523_DCNsynGABA.mod (1458), 144523_DCNsynNMDA.mod (1459), 144523_GammaStim.mod (1460), 144523_NaF.mod (1461), 144523_NaP.mod (1462), 144523_SK.mod (1463), 144523_TNC.mod (1464), 144523_fKdr.mod (1465), 144523_h.mod (1466), 144523_pasDCN.mod (1467), 144523_sKdr.mod (1468)

**[Hallermann et al., 2012]**  144526_CaH.mod (1469), 144526_CaT.mod (1470), 144526_Cad.mod (1471), 144526_Kca.mod (1472), 144526_Kv.mod (1473), 144526_Kv1_axonal.mod (1474), 144526_Kv7.mod (1475), 144526_charge.mod (1476), 144526_h.mod (1477), 144526_na8st.mod (1478), 144526_nax8st.mod (1479)

**[Migliore and Migliore, 2012]**  144541_distr.mod (1480), 144541_h.mod (1481), 144541_kadist.mod (1482), 144541_kaprox.mod (1483), 144541_kdrca1.mod (1484), 144541_km.mod (1485), 144541_na3n.mod (1486), 144541_naxn.mod (1487)

**[Hopfield and Brody, 2001]**  144549_invlfire.mod (1488), 144549_misc.mod (1489), 144549_stats.mod (1490), 144549_vecst.mod (1491)

**[Hopfield and Brody, 2000]**  144549_invlfire.mod (1488), 144549_misc.mod (1489), 144549_stats.mod (1490), 144549_vecst.mod (1491), 2798_kaprox.mod (1736), 2798_nans.mod (1737)

**[Destexhe et al., 1996b]**  17663_HH2.mod (1492), 17663_IT2.mod (1493), 17663_VClamp.mod (1494)

**[Miyasho et al., 2001]**  17664_CaE.mod (1496), 17664_CaP.mod (1497), 17664_CaP2.mod (1498), 17664_CaT.mod (1499), 17664_CalciumP.mod (1500), 17664_K2.mod (1501), 17664_K22.mod (1502), 17664_K23.mod (1503), 17664_KA.mod (1504), 17664_KC.mod (1505), 17664_KC2.mod (1506), 17664_KC3.mod (1507), 17664_KD.mod (1508), 17664_KM.mod (1509), 17664_Kdr.mod (1510), 17664_Kh.mod (1511), 17664_Khh.mod (1512), 17664_Leak.mod (1513), 17664_NaF.mod (1514), 17664_NaP.mod (1515)

**[Destexhe et al., 1994c]**  18198_HH2.mod (1519), 18198_ampa.mod (1520), 18198_ampa5.mod (1521), 18198_caL3d.mod (1522), 18198_gabaa.mod (1523), 18500_HH.mod (1530), 18500_ampa.mod (1531), 18500_gabaa.mod (1532), 18500_gabab.mod (1533), 18500_nmda.mod (1534)

**[Sheasby and Fohlmeister, 1999]**  18501_capump.mod (1535), 18501_spike.mod (1536), 18501_spike_icgK2.mod (3483)

**[Rusakov et al., 1997]**  18502_cabpump.mod (1537), 18502_cachan.mod (1538), 18502_cadifusl.mod (1539), 18502_cagk.mod (1540), 18502_nmdasyn.mod (1541)

**[Rusakov et al., 1996]**  18502_cabpump.mod (1537), 18502_cachan.mod (1538), 18502_cadifusl.mod (1539), 18502_cagk.mod (1540), 18502_nmdasyn.mod (1541)

**[Tsutsui and Oka, 2002]**  18742_Na_cglc.mod (1542)

**[Geiger et al., 1997]**  19022_basket_syn.mod (1543)

**[Wang et al., 2002]** 19176_HH2.mod (1544), 19176_cAMPclamp.mod (1545), 19176_hcn2.mod (1546), 19176_kleak.mod (1547)

**[Korogod and Kulagina, 1998]** 19214_PasD.mod (1548), 19214_PasS.mod (1549), 19214_PasSA.mod (1550), 19214_hh1.mod (1551)

**[Carlin et al., 2000]** 19491_L_Ca.mod (1554), 19491_L_HVA_Ca.mod (1555), 19491_N_Ca.mod (1556), 19491_R_VClamp.mod (1557)

**[Gabbiani et al., 1994]** 19591_CaHVA_chan.mod (1558), 19591_Icinst.mod (1559), 19591_Ka_chan.mod (1560), 19591_Kdr_chan.mod (1561), 19591_Na_chan.mod (1562), 19591_cagrcdifus.mod (1563), 19591_caleak.mod (1564), 19591_h_chan.mod (1565), 19591_nacaexch.mod (1566), 19591_naleak.mod (1567)

**[Migliore, 2003]** 19696_h.mod (1568), 19696_kadist.mod (1569), 19696_kaprox.mod (1570), 19696_kdrca1.mod (1571), 19696_na3.mod (1572), 19696_nax.mod (1573)

**[Graham, 2001]** 19746_ANsyn.mod (1574), 19746_BKDNaDR.mod (1575), 19746_CA1CaG.mod (1576), 19746_CA1NaP.mod (1577), 19746_DEsyn.mod (1578), 19746_L98NCh.mod (1579), 19746_M99Ka.mod (1580)

**[McRory et al., 2001]** 19920_ca_a1g.mod (1584), 19920_ca_a1h.mod (1585), 19920_ca_a1i.mod (1586)

**[Lazarewicz et al., 2002]** 20007_CAlM95.mod (1587), 20007_CAnM95.mod (1588), 20007_CAtM95.mod (1589), 20007_KaDM99SL.mod (1590), 20007_KaPM99SL.mod (1591), 20007_KahpM95.mod (1592), 20007_KctBG99.mod (1593), 20007_KdBG.mod (1594), 20007_KdrM99SL.mod (1595), 20007_KhdM01.mod (1596), 20007_KmM95.mod (1597), 20007_NaM99SL.mod (1598), 20007_caM95.mod (1599)

**[Lien et al., 2002]** 20015_ka.mod (1604), 20015_kdrf.mod (1605), 20015_kdrs.mod (1606)

**[Poirazi et al., 2003a]**

**[Poirazi et al., 2003b]**

**[Polsky et al., 2004]** 20212_ITGHK.mod (1607), 20212_My_cal.mod (1608), 20212_My_can.mod (1609), 20212_My_cat.mod (1610), 20212_Myca.mod (1611), 20212_Mykca.mod (1612), 20212_abbott.mod (1613), 20212_abbott_nmda.mod (1614), 20212_borgkm.mod (1615), 20212_ca.mod (1616), 20212_cachan.mod (1617), 20212_cacum.mod (1618), 20212_cad.mod (1619), 20212_cad3.mod (1620), 20212_cad_trunk.mod (1621), 20212_cadecay.mod (1622), 20212_cadifusl.mod (1623), 20212_cagk.mod (1624), 20212_cagk_v2.mod (1625), 20212_cal.mod (1626), 20212_calH.mod (1627), 20212_calH_v2.mod (1628), 20212_cal_v2.mod (1629), 20212_can2.mod (1630), 20212_canKev.mod (1631), 20212_capump.mod (1632), 20212_car.mod (1633), 20212_cat.mod (1634), 20212_cat_v2.mod (1635), 20212_d3.mod (1636), 20212_gabaa.mod (1637), 20212_gabab.mod (1638), 20212_glutamate.mod (1639), 20212_h.mod (1640), 20212_h_v2.mod (1641), 20212_hh3.mod (1642), 20212_hh3_flei.mod (1643), 20212_hha2.mod (1644), 20212_hha_old.mod (1645), 20212_hha.mod (1646), 20212_ht.mod (1647), 20212_ican.mod (1648), 20212_iq.mod (1649), 20212_it.mod (1650), 20212_it1.mod (1651), 20212_kad.mod (1652), 20212_kadist.mod (1653), 20212_kap.mod (1654), 20212_kaprox.mod (1655), 20212_kc.mod (1656), 20212_kca.mod (1657), 20212_kca_v2.mod (1658), 20212_kdr.mod (1659), 20212_kdr_inac.mod (1660), 20212_kdrca1.mod (1661), 20212_km.mod (1662), 20212_kv.mod (1663), 20212_my_kca.mod (1664), 20212_na3.mod (1665), 20212_na.mod (1666), 20212_namir.mod (1667), 20212_nap.mod (1668), 20212_nax.mod (1669), 20212_nmda.mod (1670), 20212_ourca_old.mod (1671), 20212_somacar.mod (1672), 20212_vkca.mod (1673)

**[Traub et al., 2003]** 20756_ar.mod (1674), 20756_cad.mod (1675), 20756_cal.mod (1676), 20756_cat.mod (1677), 20756_k2.mod (1678), 20756_ka.mod (1679), 20756_kahp.mod (1680), 20756_kc.mod (1681), 20756_kdr.mod (1682), 20756_km.mod (1683), 20756_naf.mod (1684), 20756_nap.mod (1685)

**[Bartos et al., 2002]** 21329_gap.mod (1686), 21329_nethhwbm.mod (1687)

**[Schaefer et al., 2007]** 22203_gDKma.mod (1688), 22203_kadist.mod (1689), 22203_kaprox.mod (1690), 22203_kfast.mod (1691), 22203_km.mod (1692), 22203_kslow.mod (1693), 22203_kv.mod (1694), 22203_kvfast.mod (1695)

**[Schaefer et al., 2003a]**

**[Davison et al., 2000]** 2487_cadecay.mod (1696), 2487_kA.mod (1697), 2487_kca3.mod (1698), 2487_kfasttab.mod (1699), 2487_kslowtab.mod (1700), 2487_lcafixed.mod (1701), 2487_nafast.mod (1702)

**[Mainen and Sejnowski, 1996]** 2488_ca.mod (1703), 2488_cad.mod (1704), 2488_kca.mod (1705), 2488_km.mod (1706), 2488_kv.mod (1707), 2488_na.mod (1708)

**[Wang and Buzsaki, 1996]** 26997_fvpre.mod (1709), 26997_kdr.mod (1710), 26997_naf.mod (1711), 26997_vecst.mod (1712)

**[Davison et al., 2003]** 2730_cadecay.mod (1713), 2730_flushf.mod (1714), 2730_kA.mod (1715), 2730_kM.mod (1716), 2730_kca.mod (1717), 2730_kfasttab.mod (1718), 2730_kslowtab.mod (1719), 2730_lcafixed.mod (1720), 2730_nafast.mod (1721), 2730_nagran.mod (1722), 2730_nmdanet.mod (1723)

**[Bhalla and Bower, 1993]** 2733_cadecay.mod (1724), 2733_kA.mod (1725), 2733_kca3.mod (1726), 2733_kfasttab.mod (1727), 2733_kslowtab.mod (1728), 2733_lcafixed.mod (1729), 2733_nafast.mod (1730)

**[Migliore et al., 1999]** 2796_kadist.mod (1731), 2796_kaprox.mod (1732), 2796_kdrca1.mod (1733), 2796_na3.mod (1734), 2796_nax.mod (1735)

**[Destexhe et al., 1998b]** 279_ITGHK.mod (1738), 279_VClamp.mod (1739), 279_cadecay.mod (1740), 279_hh2.mod (1741)

**[Saraga et al., 2003]** 28316_IA.mod (1742), 28316_IAprox.mod (1743), 28316_Ih.mod (1744), 28316_Kaxon.mod (1745), 28316_Kdend.mod (1746), 28316_Ksoma.mod (1747), 28316_Naaxon.mod (1748), 28316_Nadend.mod (1749), 28316_Nasoma.mod (1750), 28316_ampa.mod (1751), 28316_pregen.mod (1752)

**[Migliore, 1996]** 2937_borgkm.mod (1753), 2937_iq.mod (1754), 2937_kdr.mod (1755), 2937_namir.mod (1756)

**[Migliore et al., 2001]** 3167_kaprox.mod (1757), 3167_kdrca1.mod (1758), 3167_na3.mod (1759), 3167_pnoise.mod (1760)

**[Migliore et al., 1995]** 3263_borgka.mod (1761), 3263_borgkm.mod (1762), 3263_cadiv.mod (1763), 3263_cagk.mod (1764), 3263_cal2.mod (1765), 3263_can2.mod (1766), 3263_cat.mod (1767), 3263_kahp.mod (1768), 3263_kdr.mod (1769), 3263_nahh.mod (1770)

**[Varela et al., 1997]** 3264_fdsexp2s.mod (1771), 3264_fdsexpsn.mod (1772), 3264_fdsintf.mod (1773)

**[Korngreen and Sakmann, 2000]** 3289_kfast.mod (1774), 3289_kslow.mod (1775)

**[Migliore et al., 2004]** 32992_distr.mod (1776), 32992_h.mod (1777), 32992_kadist.mod (1778), 32992_kaprox.mod (1779), 32992_kdrca1.mod (1780), 32992_na3n.mod (1781), 32992_naxn.mod (1782), 32992_netstimm.mod (1783)

**[Bal and Oertel, 2000]** 3332_hcno.mod (1784)

**[Shen et al., 1999]** 3342_kd.mod (1785), 3342_kd_v2.mod (1786), 3342_na.mod (1787), 3342_na_v2.mod (1788)

**[Destexhe et al., 1996a]** 3343_HH2.mod (1789), 3343_IT.mod (1790), 3343_IT2.mod (1791), 3343_Ih.mod (1792), 3343_ampa.mod (1793), 3343_cadecay.mod (1794), 3343_gabaa.mod (1795), 3343_gabab.mod (1796), 3343_kleak.mod (1797)

**[Beck et al., 1992]** 3344_kadg.mod (1798)

**[Lytton and Hines, 2005]** 33975_GABAA.mod (1799), 33975_cur.mod (1800), 33975_fvpre.mod (1801), 33975_kdr.mod (1802), 33975_naf.mod (1803)

**[Wang et al., 1998]** 3454_ht.mod (1816), 3454_lt.mod (1817), 3454_nach.mod (1818), 3454_trigstim.mod (1819)

**[Benison et al., 2001]** 3457_calrgc.mod (1820), 3457_canrgc.mod (1821), 3483_nargc.mod (1822), 3488_kargc.mod (1823)

**[Huang and Robinson, 1998]** 3457_calrgc.mod (1820), 3457_canrgc.mod (1821)

**[Skaliora et al., 1995]** 3491_kdrgc.mod (1824)

**[Safronov and Vogel, 1995]** 3493_ka_moto.mod (1825), 3493_kdr_moto.mod (1826), 3493_na_moto.mod (1827)

**[FRANKENHAEUSER and HUXLEY, 1964]** 3507_fh.mod (1828)

**[Moczydlowski and Latorre, 1983]** 3509_cagk.mod (1829)

**[Nadim et al., 1998]** 3511_gap.mod (1830), 3511_gapvdep.mod (1831), 3511_int1.mod (1832), 3511_int1_lg.mod (1833), 3511_int1s.mod (1834), 3511_lg.mod (1835), 3511_lg_int1.mod (1836), 3511_lg_mcn1.mod (1837), 3511_mcn1.mod (1838), 3511_mcn1_int1.mod (1839), 3511_mcn1_lg.mod (1840), 3511_pass.mod (1841)

**[Williams and Stuart, 2000]** 3533_cat_thal.mod (1842)

**[Pinsky and Rinzel, 1994]** 35358_cal.mod (1843), 35358_kcRT03.mod (1844), 35358_kdr.mod (1845), 35358_matrix.mod (1846), 35358_nafPR.mod (1847), 35358_passiv.mod (1848), 35358_rcadecay.mod (1849), 35358_rkq.mod (1850), 35358_vecst.mod (1851)

**[Wang et al., 1996]** 3648_kamt.mod (1852), 3648_kdrmt.mod (1853)

**[Saftenku, 2005]** 3658_ampad2.mod (1854), 3658_ampad4.mod (1855), 3658_glubbfbm.mod (1856), 3658_glubes2.mod (1857), 3658_glubes23.mod (1858), 3658_glubes3.mod (1859), 3658_glubes4.mod (1860), 3658_glubes5.mod (1861), 3658_glubes6.mod (1862), 3658_gludif2.mod (1863), 3658_gludif23.mod (1864), 3658_gludif3.mod (1865), 3658_glures23.mod (1866), 3658_spgen2.mod (1867)

**[Zhou and Hablitz, 1996]** 3660_kaneosup.mod (1868), 3660_kdrneosup.mod (1869)

**[Cadetti and Belluzzi, 2001]** 3665_hpg.mod (1870)

**[Destexhe et al., 1994a]** 3670_HH2.mod (1871), 3670_IAHP.mod (1872), 3670_ICAN.mod (1873), 3670_IT2.mod (1874), 3670_capump.mod (1875), 3670_gabaa.mod (1876), 3670_gabab1.mod (1877)

**[Fohlmeister and Miller, 1997]** 3673_capump.mod (1878), 3673_spike.mod (1879), 3673_spike_icgK2.mod (3484)

**[Stuart and Spruston, 1998]** 3677_iqq.mod (1880), 3677_synampa.mod (1881)

**[Archie and Mel, 2000]** 3682_hh3.mod (1882), 3682_rglu_score.mod (1883)

**[McCormick and Pape, 1990]**  3684_htc.mod (1884)

**[Bazhenov et al., 1998]**  37819_AMPA.mod (1885), 37819_GABAA.mod (1886), 37819_GABAB2.mod (1887), 37819_HH2.mod (1888), 37819_IT.mod (1889), 37819_IT2.mod (1890), 37819_Iahp.mod (1891), 37819_Ican.mod (1892), 37819_Ih.mod (1893), 37819_NMDA.mod (1894), 37819_burst.mod (1895), 37819_ca.mod (1896), 37819_cad.mod (1897), 37819_cadecay.mod (1898), 37819_gabab.mod (1899), 37819_gababS.mod (1900), 37819_intf.mod (1901), 37819_kca.mod (1902), 37819_kdr.mod (1903), 37819_kl.mod (1904), 37819_kleak.mod (1905), 37819_km.mod (1906), 37819_kmbg.mod (1907), 37819_kv.mod (1908), 37819_matrix.mod (1909), 37819_na.mod (1910), 37819_naf.mod (1911), 37819_nap.mod (1912), 37819_nstim.mod (1913), 37819_ntia.mod (1914), 37819_tcifb.mod (1915), 37819_tia.mod (1916), 37819_vecst.mod (1917)

**[Kanold and Manis, 2001]**  37856_Ksyn.mod (1918), 37856_Stim.mod (1919), 37856_pyr.mod (1920), 37856_pyr_icgK2.mod (3485), 37856_pyr_icgK3.mod (3486)

**[Kanold and Manis, 1999]**  37856_Ksyn.mod (1918), 37856_Stim.mod (1919), 37856_pyr.mod (1920), 37856_pyr_icgK2.mod (3485), 37856_pyr_icgK3.mod (3486)

**[Rothman and Manis, 2003c]**

**[Rothman and Manis, 2003b]**

**[Rothman and Manis, 2003a]**  37857_hcno.mod (1921), 37857_ih.mod (1922), 37857_ka.mod (1923), 37857_kht.mod (1924), 37857_klt.mod (1925), 37857_leak.mod (1926), 37857_na.mod (1927)

**[Crane et al., 2001]**  3785_couple5.mod (1928)

**[Chen et al., 2002]**  3793_glusyn.mod (1929), 3793_inhisyn.mod (1930), 3793_kd.mod (1931), 3793_na.mod (1932)

**[Hines and Shrager, 1991]**  3798_fh.mod (1933)

**[Courtemanche et al., 1998]**  3800_cadynam.mod (1934), 3800_cajsr.mod (1935), 3800_cajsracc.mod (1936), 3800_cansracc.mod (1937), 3800_capump.mod (1938), 3800_ical.mod (1939), 3800_ik1.mod (1940), 3800_ikr.mod (1941), 3800_iks.mod (1942), 3800_ikur.mod (1943), 3800_inaf.mod (1944), 3800_ionback.mod (1945), 3800_ito.mod (1946), 3800_kcum.mod (1947), 3800_nacaex.mod (1948), 3800_nacum.mod (1949), 3800_nipace.mod (1950), 3800_nkpump.mod (1951)

**[Bartos et al., 2001]**  3801_basket_syn.mod (1952)

**[Baccus, 1998]**  3807_caacum.mod (1955), 3807_cachlech.mod (1956), 3807_capump.mod (1957), 3807_gkca.mod (1958), 3807_naacum.mod (1959), 3807_napump.mod (1960), 3807_pcell.mod (1961)

**[McIntyre et al., 2002]**  3810_AXNODE.mod (1985), 3810_AXNODE_icgNA2.mod (3492)

**[Anderson et al., 1999]**  3812_nmda.mod (1986), 3812_two_exp.mod (1987)

**[Tsodyks et al., 1998]**  3815_tmgsyn.mod (1988)

**[Destexhe et al., 1998a]**  3817_IM.mod (1989), 3817_IT.mod (1990), 3817_cadecay.mod (1991), 3817_hh2.mod (1992)

**[Izhikevich, 2003]**  39948_izh.mod (1993)

**[Gruber et al., 2003]**  39949_caL.mod (1994), 39949_damsg.mod (1995), 39949_gspike.mod (1996), 39949_kir2.mod (1997), 39949_ksi.mod (1998), 39949_leak.mod (1999)

**[Migliore et al., 2005b]**  43039_kamt.mod (2000), 43039_kdrmt.mod (2001), 43039_naxn.mod (2002)

**[Gasparini et al., 2004]**  44050_exp2i.mod (2003), 44050_h.mod (2004), 44050_kadist.mod (2005), 44050_kaprox.mod (2006), 44050_kdrca1.mod (2007), 44050_na3s.mod (2008), 44050_naxn.mod (2009), 44050_netstims.mod (2010), 44050_nmdanet.mod (2011)

**[D'Angelo et al., 2001]**  46839_Grc_kca.mod (2012), 46839_Grc_lkg2.mod (2013), 46839_Grc_sine.mod (2014), 46839_Grg_kv.mod (2015), 46839_grc_ca.mod (2016), 46839_grc_calc.mod (2017), 46839_grc_ka.mod (2018), 46839_grc_kir.mod (2019), 46839_grc_lkg1.mod (2020), 46839_grc_pna.mod (2021), 46839_grg_km.mod (2022), 46839_grg_na.mod (2023), 46839_grg_nar.mod (2024)

**[Khaliq et al., 2003]**  48332_bkpkj.mod (2025), 48332_cadiff.mod (2026), 48332_cap.mod (2027), 48332_ihpkj.mod (2028), 48332_kpkj.mod (2029), 48332_kpkj2.mod (2030), 48332_kpkjslow.mod (2031), 48332_pkjlk.mod (2032), 48332_rsg.mod (2033)

**[Raman and Bean, 2001]**  48332_bkpkj.mod (2025), 48332_cadiff.mod (2026), 48332_cap.mod (2027), 48332_ihpkj.mod (2028), 48332_kpkj.mod (2029), 48332_kpkj2.mod (2030), 48332_kpkjslow.mod (2031), 48332_pkjlk.mod (2032), 48332_rsg.mod (2033)

**[Kampa et al., 2004]**  50207_NMDA_Mg.mod (2034), 50207_release_BMK.mod (2035)

**[Saghatelyan et al., 2005]**  50210_kamt.mod (2036), 50210_kdrmt.mod (2037), 50210_naxn.mod (2038), 50210_nmdanet.mod (2039)

[**Sikora et al., 2005**]   50997_caconc.mod (2040), 50997_cagf.mod (2041), 50997_capump.mod (2042), 50997_casimple.mod (2043), 50997_modulate.mod (2044), 50997_rib_ufp.mod (2045), 50997_ribbon_tiger.mod (2046), 50997_spike.mod (2047), 50997_tsbp.mod (2048), 50997_vclmp.mod (2049), 50997_spike_icgK2.mod (3487)

[**Amir and Devor, 2003a**]   51022_fh.mod (2050)

[**Amir and Devor, 2003b**]   51022_fh.mod (2050)

[**Bush et al., 1999**]   52034_AMPA.mod (2078), 52034_GABAa.mod (2079), 52034_GABAb.mod (2080), 52034_NMDA.mod (2081), 52034_cadecay.mod (2082), 52034_cah.mod (2083), 52034_dpresyn.mod (2084), 52034_fpoisson_generator.mod (2085), 52034_glu.mod (2086), 52034_holt_alphasyn.mod (2087), 52034_holt_rnd.mod (2088), 52034_kca.mod (2089), 52034_kdr.mod (2090), 52034_kdrp.mod (2091), 52034_na.mod (2092), 52034_nap.mod (2093), 52034_noise.mod (2094), 52034_precall.mod (2095), 52034_pregen.mod (2096), 52034_seed.mod (2097)

[**Popovic et al., 2005**]   53435_EPSPClamp.mod (2098), 53435_EPSPClamp_v2.mod (2099)

[**Hines and Carnevale, 2001**]   53451_ca.mod (2100), 53451_cad.mod (2101), 53451_kca.mod (2102), 53451_km.mod (2103), 53451_kv.mod (2104), 53451_na.mod (2105), 53451_peak.mod (2106)

[**Prescott and De Koninck, 2005**]   53569_CaP.mod (2107), 53569_CaT.mod (2108), 53569_HH2new.mod (2109), 53569_Kslow.mod (2110), 53569_NaP.mod (2111), 53569_cadyn.mod (2112)

[**Zhou et al., 2005**]   53869_Alpha.mod (2113), 53869_gaussstim.mod (2114), 53869_ih_VCN2003.mod (2115), 53869_kHT_VCN2003.mod (2116), 53869_kLT_VCN2003.mod (2117), 53869_na_VCN2003.mod (2118)

[**Quadroni and Knopfel, 1994**]   53876_a.mod (2119), 53876_ahp.mod (2120), 53876_akfast.mod (2121), 53876_bkfast.mod (2122), 53876_ca_dist.mod (2123), 53876_ca_prox.mod (2124), 53876_ca_soma.mod (2125), 53876_ca_soma_const_delta_thick_shells.mod (2126), 53876_ca_soma_cylind_shells.mod (2127), 53876_caleak.mod (2128), 53876_clleak.mod (2129), 53876_h.mod (2130), 53876_hva.mod (2131), 53876_kleak.mod (2132), 53876_kslow.mod (2133), 53876_lva.mod (2134), 53876_na.mod (2135), 53876_naleak.mod (2136), 53876_nap.mod (2137), 53876_nmda.mod (2138)

[**Wang et al., 1991**]   53893_lva.mod (2139)

[**Vitko et al., 2005**]   53965_HH2.mod (2140), 53965_IT2.mod (2141), 53965_IT2_v2.mod (2142), 53965_IT2_v3.mod (2143), 53965_VClamp.mod (2144), 53965_capump.mod (2145)

[**Hossain et al., 2005**]   54903_km.mod (2146), 54903_kv.mod (2147), 54903_na.mod (2148), 54903_nach.mod (2149), 54903_naf.mod (2150), 54903_naxn.mod (2151)

[**Migliore et al., 2005a**]   55035_distr.mod (2152), 55035_h.mod (2153), 55035_kadist.mod (2154), 55035_kaprox.mod (2155), 55035_kdrca1.mod (2156), 55035_na3n.mod (2157), 55035_naxn.mod (2158), 55035_netstims.mod (2159)

[**Safronov et al., 2000**]   62266_B_A.mod (2160), 62266_B_DR.mod (2161), 62266_B_NA.mod (2162)

[**Melnick et al., 2004a**]   62284_B_A.mod (2163), 62284_B_DR.mod (2164), 62284_B_NA.mod (2165), 62284_KDR.mod (2166), 62284_KDRI.mod (2167), 62284_SS.mod (2168)

[**Melnick et al., 2004b**]   62285_B_A.mod (2169), 62285_B_DR.mod (2170), 62285_B_NA.mod (2171), 62285_KDR.mod (2172), 62285_KDRI.mod (2173), 62285_SS.mod (2174)

[**Baranauskas and Martina, 2006**]   62673_kdersej.mod (2175), 62673_mcna1e.mod (2176), 62673_nachansej.mod (2177)

[**Kole et al., 2006**]   64195_ca.mod (2178), 64195_caT.mod (2179), 64195_cad.mod (2180), 64195_ih_stochastic.mod (2181), 64195_ih.mod (2182), 64195_ka.mod (2183), 64195_kca.mod (2184), 64195_km.mod (2185), 64195_kv.mod (2186), 64195_na.mod (2187), 64195_na_stochastic.mod (2188), 64195_syn.mod (2189)

[**Shimazaki et al., 2006**]   64212_kavn.mod (2190), 64212_kdr.mod (2191), 64212_navn.mod (2192)

[**Kourennyi et al., 2004**]   64216_CPR.mod (2193), 64216_Kv.mod (2194), 64216_h.mod (2195), 95870_CPR.mod (2529), 95870_Ca.mod (2530), 95870_Cad.mod (2531), 95870_IinjLT.mod (2532), 95870_Kv.mod (2533), 95870_Kx.mod (2534), 95870_Leak.mod (2535), 95870_hyper.mod (2536)

[**Liu and Kourennyi, 2004**]   64228_Ca.mod (2196), 64228_Cad.mod (2197), 64228_Clca.mod (2198), 64228_IinjLT.mod (2199), 64228_IinjLTDim.mod (2200), 64228_IinjSin.mod (2201), 64228_Kca.mod (2202), 64228_Kv.mod (2203), 64228_Kx.mod (2204), 64228_Leak.mod (2205), 64228_h.mod (2206), 95870_CPR.mod (2529), 95870_Ca.mod (2530), 95870_Cad.mod (2531), 95870_IinjLT.mod (2532), 95870_Kv.mod (2533), 95870_Kx.mod (2534), 95870_Leak.mod (2535), 95870_hyper.mod (2536)

**[Migliore et al., 2006]** 64229_AMPA.mod (2207), 64229_AMPA_v2.mod (2208), 64229_CaBK.mod (2209), 64229_GABAa.mod (2210), 64229_GABAa_v2.mod (2211), 64229_GABAb.mod (2212), 64229_GABAb_v2.mod (2213), 64229_Gfluct2.mod (2214), 64229_LcaMig.mod (2215), 64229_NMDA.mod (2216), 64229_NMDA_v2.mod (2217), 64229_arhRT03.mod (2218), 64229_arhRT03_v2.mod (2219), 64229_bgka.mod (2220), 64229_cadRT03.mod (2221), 64229_cadRT03_v2.mod (2222), 64229_cadecay.mod (2223), 64229_cadecay_v2.mod (2224), 64229_cadecay_v3.mod (2225), 64229_cah.mod (2226), 64229_cah_v2.mod (2227), 64229_calRT03.mod (2228), 64229_calRT03_v2.mod (2229), 64229_catRT03.mod (2230), 64229_catRT03_v2.mod (2231), 64229_ccanl.mod (2232), 64229_flushf.mod (2233), 64229_gskch.mod (2234), 64229_hyperde3.mod (2235), 64229_ichan2.mod (2236), 64229_intf.mod (2237), 64229_intf_v2.mod (2238), 64229_invlfire.mod (2239), 64229_k2RT03.mod (2240), 64229_k2RT03_v2.mod (2241), 64229_kA.mod (2242), 64229_kM.mod (2243), 64229_kaRT03.mod (2244), 64229_kaRT03_v2.mod (2245), 64229_kahpRT03.mod (2246), 64229_kahpRT03_v2.mod (2247), 64229_kcRT03.mod (2248), 64229_kcRT03_v2.mod (2249), 64229_kca.mod (2250), 64229_kca_v2.mod (2251), 64229_kca_v3.mod (2252), 64229_kdr.mod (2253), 64229_kdrRT03.mod (2254), 64229_kdrRT03_v2.mod (2255), 64229_kdr_v2.mod (2256), 64229_kdrp.mod (2257), 64229_kdrp_v2.mod (2258), 64229_kfasttab.mod (2259), 64229_kmRT03.mod (2260), 64229_kmRT03_v2.mod (2261), 64229_kslowtab.mod (2262), 64229_lcafixed.mod (2263), 64229_misc.mod (2264), 64229_misc_v2.mod (2265), 64229_myfit.mod (2266), 64229_na.mod (2267), 64229_na_v2.mod (2268), 64229_nafRT03.mod (2269), 64229_nafRT03_v2.mod (2270), 64229_nafast.mod (2271), 64229_nagran.mod (2272), 64229_nap.mod (2273), 64229_napRT03.mod (2274), 64229_napRT03_v2.mod (2275), 64229_nap_v2.mod (2276), 64229_nca.mod (2277), 64229_nmdanet.mod (2278), 64229_nstim.mod (2279), 64229_nstim_v2.mod (2280), 64229_stats.mod (2281), 64229_tca.mod (2282), 64229_vecst.mod (2283), 64229_vecst_v2.mod (2284), 64229_hyperde3_icgIH2.mod (3474), 64229_ichan2_icgK2.mod (3489)

**[Rudolph and Destexhe, 2005]** 64259_Gfluct.mod (2285)

**[Davison and Fregnac, 2006]** 64261_ctrlnsvr2.mod (2286), 64261_flushf.mod (2287), 64261_netstimvr2.mod (2288), 64261_stdwa_softlimits.mod (2289), 64261_stdwa_songabbott.mod (2290), 64261_stdwa_symm.mod (2291)

**[Golomb et al., 2006]** 64296_INaP.mod (2292), 64296_Ih.mod (2293), 64296_cadecay.mod (2294), 64296_kA.mod (2295), 64296_kO.mod (2296), 64296_kca3.mod (2297), 64296_kfasttab.mod (2298), 64296_kslowtab.mod (2299), 64296_lcafixed.mod (2300), 64296_nafast.mod (2301)

**[Canavier, 1999]** 6763_delay.mod (2302), 6763_inmda.mod (2303), 6763_leak.mod (2304), 6763_mystim.mod (2305), 6763_nadifl.mod (2306), 6763_pump.mod (2307)

**[Li and Ascoli, 2006]**

**[Li and Ascoli, 2008]** 71312_distr.mod (2308), 71312_h.mod (2309), 71312_kadist.mod (2310), 71312_kaprox.mod (2311), 71312_kdrca1.mod (2312), 71312_na3n.mod (2313), 71312_naxn.mod (2314)

**[Watanabe et al., 2002]** 7386_kadist.mod (2315), 7386_kaprox.mod (2316), 7386_kdrca1.mod (2317), 7386_na3.mod (2318), 7386_nax.mod (2319)

**[Lytton, 1998]** 7399_AMPA.mod (2320), 7399_GABAA.mod (2321), 7399_kdr.mod (2322), 7399_matrix.mod (2323), 7399_naf.mod (2324), 7399_passiv.mod (2325), 7399_precall.mod (2326), 7399_pregen.mod (2327), 7399_pregencv.mod (2328), 7399_pulsecv.mod (2329), 7399_sinstim.mod (2330), 7399_vecst.mod (2331)

**[Lytton and Lipton, 1999]** 7400_AMPA.mod (2332), 7400_GABAA.mod (2333), 7400_kdr.mod (2334), 7400_matrix.mod (2335), 7400_naf.mod (2336), 7400_passiv.mod (2337), 7400_pulse.mod (2338), 7400_sinstim.mod (2339), 7400_vecst.mod (2340)

**[Gillies and Willshaw, 2006]** 74298_CaT.mod (2341), 74298_Cacum.mod (2342), 74298_HVA.mod (2343), 74298_Ih.mod (2344), 74298_KDR.mod (2345), 74298_Kv31.mod (2346), 74298_Na.mod (2347), 74298_NaL.mod (2348), 74298_STh.mod (2349), 74298_sKCa.mod (2350)

**[Migliore and Shepherd, 2002]** 7659_distr.mod (2351), 7659_h.mod (2352)

**[Wilson and Cowan, 1972]** 76879_wc.mod (2353)

**[Chen et al., 2001b]** 7988_IVnmda5.mod (2354), 7988_glurel.mod (2355), 7988_glurelex.mod (2356), 7988_nmda5.mod (2357), 7988_release.mod (2358), 7988_relramp.mod (2359)

**[Akemann and Knopfel, 2006]** 80769_CaBK.mod (2360), 80769_CaP.mod (2361), 80769_Caint.mod (2362), 80769_Ih.mod (2363), 80769_Kbin.mod (2364), 80769_Kv1.mod (2365), 80769_Kv4.mod (2366), 80769_Na.mod (2367), 80769_Narsg.mod (2368), 80769_leak.mod (2369)

**[Destexhe et al., 2001]** 8115_Gfluct.mod (2370), 8115_IKd_traub.mod (2371), 8115_IM.mod (2372), 8115_INa_traub_shifted.mod (2373)

**[Mainen et al., 1995]** 8210_kd3h5.mod (2374), 8210_na3h5.mod (2375)

**[van Welie et al., 2006]** 82364_h.mod (2376)

**[Durstewitz and Gabriel, 2007]** 82784_HVA.mod (2377), 82784_Kc.mod (2378), 82784_Kdr.mod (2379), 82784_KdrIN.mod (2380), 82784_Ks.mod (2381), 82784_Naf.mod (2382), 82784_NafIN.mod (2383), 82784_Nap.mod (2384), 82784_NapDA.mod (2385), 82784_ampa.mod (2386), 82784_cadyn.mod (2387), 82784_gaba.mod (2388), 82784_kdyn.mod (2389), 82784_nmda.mod (2390), 82784_nmdacons.mod (2391)

**[Durstewitz et al., 2000]** 82849_cadyn.mod (2392), 82849_hva.mod (2393), 82849_ic.mod (2394), 82849_iks.mod (2395), 82849_kdr.mod (2396), 82849_kdyn.mod (2397), 82849_naf.mod (2398), 82849_nap.mod (2399)

[**Chen et al., 2001a**]   8284_hyperde1.mod (2400), 8284_hyperde2.mod (2401), 8284_hyperde3.mod (2402), 8284_hyperso.mod (2403), 8284_ichan.mod (2404), 8284_ppsyn.mod (2405), 8284_hyperde1_icgIH2.mod (3467), 8284_hyperde2_icgIH2.mod (3468), 8284_hyperde3_icgIH2.mod (3469), 8284_hyperso_icgIH2.mod (3470)

[**Brette et al., 2007**]   83319_if3.mod (2406), 83319_intfirecur.mod (2407), 83319_spikeout.mod (2408)

[**Vogels and Abbott, 2005**]   83319_if3.mod (2406), 83319_intfirecur.mod (2407), 83319_spikeout.mod (2408)

[**Korngreen et al., 2005**]   83523_kfast.mod (2409), 83523_kv.mod (2410)

[**Komendantov et al., 2004**]   83547_ampa.mod (2411), 83547_cadif.mod (2412), 83547_calcha.mod (2413), 83547_capump.mod (2414), 83547_hh3.mod (2415), 83547_kca.mod (2416), 83547_leak.mod (2417), 83547_nadif.mod (2418), 83547_nmda.mod (2419), 83547_pump.mod (2420), 83547_stim.mod (2421), 83547_hh3_icgK2.mod (3490)

[**Arsiero et al., 2007**]   83590_Ifluct1.mod (2422), 83590_hh_in.mod (2423)

[**Holt and Koch, 1999**]

[**Gold et al., 2006**]

[**Gold et al., 2007**]   84589_cadif.mod (2424), 84589_cal.mod (2425), 84589_can.mod (2426), 84589_car.mod (2427), 84589_cat.mod (2428), 84589_hdend.mod (2429), 84589_hsoma.mod (2430), 84589_kadist.mod (2431), 84589_kahp.mod (2432), 84589_kaprox.mod (2433), 84589_kc.mod (2434), 84589_kd.mod (2435), 84589_kk.mod (2436), 84589_km.mod (2437), 84589_naf.mod (2438), 84589_nax.mod (2439)

[**Canavier and Landry, 2006**]   84612_ampa.mod (2440), 84612_ampasyn.mod (2441), 84612_cabalan.mod (2442), 84612_cachan.mod (2443), 84612_capump.mod (2444), 84612_hh3.mod (2445), 84612_kca.mod (2446), 84612_leak.mod (2447), 84612_nabalan.mod (2448), 84612_nmdaL.mod (2449), 84612_nmdasyn.mod (2450), 84612_pump.mod (2451), 84612_stim.mod (2452), 84612_hh3_icgK2.mod (3491)

[**Oltedal et al., 2007**]   84655_gsynth.mod (2453)

[**Mennerick et al., 1997**]   84655_gsynth.mod (2453)

[**Baker, 2005**]   85112_kf.mod (2454), 85112_ks.mod (2455), 85112_nap.mod (2456), 85112_nattxs.mod (2457), 85112_nav1p8.mod (2458), 85112_nav1p9.mod (2459)

[**Herzog et al., 2001**]   86537_kdr.mod (2460), 86537_nattxs.mod (2461), 86537_nav1p9.mod (2462)

[**Morse et al., 2010**]   87284_cacumm.mod (2463), 87284_cagk.mod (2464), 87284_cal2.mod (2465), 87284_can2.mod (2466), 87284_cat.mod (2467), 87284_distr.mod (2468), 87284_h.mod (2469), 87284_ipulse2.mod (2470), 87284_kadist.mod (2471), 87284_kaprox.mod (2472), 87284_kdrca1.mod (2473), 87284_na3n.mod (2474), 87284_naxn.mod (2475), 87284_zcaquant.mod (2476)

[**Migliore et al., 2008b**]   87535_h.mod (2488), 87535_kadist.mod (2489), 87535_kaprox.mod (2490), 87535_kdrca1.mod (2491), 87535_na3n.mod (2492), 87535_naxn.mod (2493), 87535_netstims.mod (2494)

[**Minneci et al., 2007**]   87546_kamt.mod (2495), 87546_ks.mod (2496), 87546_naxn.mod (2497)

[**Barela et al., 2006**]   87585_ichanR859C1.mod (2498), 87585_ichanWT2005.mod (2499)

[**Spampanato et al., 2004**]   87585_ichanR859C1.mod (2498), 87585_ichanWT2005.mod (2499)

[**Liu et al., 1998**]   93321_cadecay.mod (2500), 93321_cas.mod (2501), 93321_cat.mod (2502), 93321_dc.mod (2503), 93321_fast.mod (2504), 93321_g_a.mod (2505), 93321_g_cas.mod (2506), 93321_g_cat.mod (2507), 93321_g_h.mod (2508), 93321_g_kca.mod (2509), 93321_g_kd.mod (2510), 93321_g_na.mod (2511), 93321_h.mod (2512), 93321_ka.mod (2513), 93321_kca.mod (2514), 93321_kd.mod (2515), 93321_na.mod (2516), 93321_slow.mod (2517)

[**Calin-Jageman et al., 2007**]   93325_leak.mod (2518), 93325_shunt.mod (2519), 93325_thold.mod (2520), 93325_tholdsyn.mod (2521)

[**Getting, 1983**]   93326_leak.mod (2522), 93326_oldtsyn.mod (2523), 93326_shunt.mod (2524), 93326_thold.mod (2525)

[**Cali et al., 2008**]   94321_Isin.mod (2526), 94321_Izap.mod (2527), 94321_hh2.mod (2528)

[**Barnes and Hille, 1989**]   95870_CPR.mod (2529), 95870_Ca.mod (2530), 95870_Cad.mod (2531), 95870_IinjLT.mod (2532), 95870_Kv.mod (2533), 95870_Kx.mod (2534), 95870_Leak.mod (2535), 95870_hyper.mod (2536)

[**Schmidt-Hieber et al., 2007**]   95960_asin.mod (2537), 95960_spines.mod (2538), 95960_synampa.mod (2539)

[**Hines and Carnevale, 2008**]   96444_exp2sid.mod (2540), 96444_expsid.mod (2541)

[**Migliore and Shepherd, 2008**]   97263_kamt.mod (2542), 97263_kdrmt.mod (2543), 97263_naxn.mod (2544), 97263_nmdanetOB.mod (2545)

**[Poolos et al., 2002]** 9769_h.mod (2546), 9769_kadist.mod (2547), 9769_kaprox.mod (2548), 9769_kdrca1.mod (2549), 9769_na3n.mod (2550), 9769_naxn.mod (2551), 9769_netstimm.mod (2552)

**[Gurkiewicz and Korngreen, 2007]** 97756_KChannel.mod (2553), 97756_svclmp.mod (2554)

**[Chan et al., 2007]** 97860_Ca.mod (2555), 97860_CaDiffuse2.mod (2556), 97860_CaDiffuse3.mod (2557), 97860_CaHandler2.mod (2558), 97860_bk_dop.mod (2559), 97860_cal_dop.mod (2560), 97860_cap_dop.mod (2561), 97860_hcn_siegelbaum.mod (2562), 97860_kcnq_hh.mod (2563), 97860_kir2_dop.mod (2564), 97860_kv1_gp.mod (2565), 97860_kv2_hh.mod (2566), 97860_kv2_simplehh.mod (2567), 97860_kv4hh.mod (2568), 97860_leak_dop.mod (2569), 97860_nahh.mod (2570), 97860_sk_dop.mod (2571), 97860_vramp.mod (2572)

**[Beeler and Reuter, 1977]** 97863_cadynam.mod (2573), 97863_ik1.mod (2574), 97863_ina.mod (2575), 97863_is.mod (2576), 97863_ix1.mod (2577), 97863_kcum.mod (2578), 97863_nacum.mod (2579), 97863_nipace.mod (2580)

**[Lytton, 2006]** 97874_exp2i.mod (2585), 97874_h.mod (2586), 97874_kadist.mod (2587), 97874_kaprox.mod (2588), 97874_kdrca1.mod (2589), 97874_na3s.mod (2590), 97874_naxn.mod (2591), 97874_netstims.mod (2592), 97874_nmdanet.mod (2593), 97874_vecst.mod (2594), 97874_vecst_v2.mod (2595)

**[Hines et al., 2008]** 97917_ka.mod (2616), 97917_ka_ib.mod (2617)

**[Maurice et al., 2004]** 98005_bk_ch.mod (2641), 98005_ca_ch.mod (2642), 98005_cal_ch.mod (2643), 98005_cap_ch.mod (2644), 98005_hcn12_ch.mod (2645), 98005_hcn2_ch.mod (2646), 98005_kcnq_ch.mod (2647), 98005_kir2_ch.mod (2648), 98005_kv2_ch.mod (2649), 98005_kv4_ch.mod (2650), 98005_na2_ch.mod (2651), 98005_na_ch.mod (2652), 98005_sk_ch.mod (2653), 98005_synampa.mod (2654)

**[Edin et al., 2007]** 98017_Cai.mod (2655), 98017_ICa.mod (2656), 98017_ICan.mod (2657), 98017_IKa.mod (2658), 98017_IKs.mod (2659), 98017_INap.mod (2660), 98017_MyNetStim.mod (2661), 98017_ampa.mod (2662), 98017_gabaR.mod (2663), 98017_gapJ.mod (2664), 98017_hhI.mod (2665), 98017_hhPyr.mod (2666), 98017_nmdaR.mod (2667), 98017_nmdaR_2.mod (2668), 98017_nmdaSUM.mod (2669), 98017_nmdaSUM_2.mod (2670)

**[Stockbridge and Moore, 1984]** 9888_stock.mod (2671)

**[Lytton et al., 1997]** 9889_AMPA.mod (2672), 9889_GABAB1.mod (2673), 9889_GABALOW.mod (2674), 9889_HH_traub.mod (2675), 9889_IAHP_destexhe.mod (2676), 9889_ICAN_destexhe.mod (2677), 9889_IT2_huguenard.mod (2678), 9889_IT_wang.mod (2679), 9889_Ih_old.mod (2680), 9889_calciumpump_destexhe.mod (2681), 9889_gen.mod (2682), 9889_nmda.mod (2683), 9889_passiv.mod (2684), 9889_presyn.mod (2685), 9889_pulse.mod (2686)

**[Banitt et al., 2007]**

**[Anderson et al., 1994b]**

**[Anderson et al., 1994a]**

**[Banitt et al., 2005]** 114637_VectorSynNS.mod (2696), 114637_iA.mod (2697), 114637_iap.mod (2698), 114637_ic.mod (2699), 114637_ical.mod (2700)

**[Helmstaedter et al., 2009c]** 116053_ca.mod (2701), 116053_cad.mod (2702), 116053_kca.mod (2703), 116053_km.mod (2704), 116053_kv.mod (2705), 116053_na.mod (2706)

**[Helmstaedter et al., 2009b]** 116053_ca.mod (2701), 116053_cad.mod (2702), 116053_kca.mod (2703), 116053_km.mod (2704), 116053_kv.mod (2705), 116053_na.mod (2706)

**[Helmstaedter et al., 2009a]** 116053_ca.mod (2701), 116053_cad.mod (2702), 116053_kca.mod (2703), 116053_km.mod (2704), 116053_kv.mod (2705), 116053_na.mod (2706)

**[Helmstaedter et al., 2008]** 116053_ca.mod (2701), 116053_cad.mod (2702), 116053_kca.mod (2703), 116053_km.mod (2704), 116053_kv.mod (2705), 116053_na.mod (2706)

**[Brette et al., 2008]** 114643_PcIpulse.mod (2707), 114643_PeCompRB.mod (2708), 114643_PeFitRB.mod (2709), 114643_PpGnoise.mod (2710), 114643_PpGpulse.mod (2711), 114643_PpInoise.mod (2712), 114643_PpIpulse.mod (2713)

**[Jarsky et al., 2005]** 116084_kadist.mod (2714), 116084_kaprox.mod (2715), 116084_kdrca1.mod (2716), 116084_na3.mod (2717), 116084_nax.mod (2718), 116084_vmax.mod (2719)

**[Hao et al., 2009]** 127305_ampa.mod (2728), 127305_gabaa.mod (2729), 127305_gabab.mod (2730), 127305_h.mod (2731), 127305_kadist.mod (2732), 127305_kaprox.mod (2733), 127305_kdrca1.mod (2734), 127305_na3.mod (2735), 127305_nax.mod (2736), 127305_nmda.mod (2737), 127305_shunting_factor.mod (2738)

**[Katz et al., 2009]** 127351_conductance.mod (2739), 127351_dv_yael.mod (2740), 127351_id.mod (2741), 127351_kad.mod (2742), 127351_kap.mod (2743), 127351_kdr.mod (2744), 127351_nax.mod (2745)

**[Orio et al., 2012]** 141063_dr.mod (2746), 141063_ih.mod (2747), 141063_leak.mod (2748), 141063_ou.mod (2749), 141063_sdsr.mod (2750), 141063_trek1.mod (2751)

**[Chadderdon et al., 2012]** 144538_drspk.mod (2752), 144538_infot.mod (2753), 144538_intf6_.mod (2754), 144538_intfsw.mod (2755), 144538_misc.mod (2756), 144538_nstim.mod (2757), 144538_stats.mod (2758), 144538_updown.mod (2759), 144538_vecst.mod (2760)

**[Amatrudo et al., 2012]** 144553_kvz_nature.mod (2761), 144553_naz_nature.mod (2762), 144553_vsource.mod (2763)

**[Clopath et al., 2010]** 144566_stdp_cc.mod (2764)

**[Chambers et al., 2012]** 144579_alphasyndiffeq.mod (2765), 144579_alphasynkin.mod (2766), 144579_alphasynkint.mod (2767), 144579_ampa.mod (2768), 144579_ar.mod (2769), 144579_cad.mod (2770), 144579_cal.mod (2771), 144579_cat.mod (2772), 144579_cat_a.mod (2773), 144579_gabaa.mod (2774), 144579_iclamp_const.mod (2775), 144579_k2.mod (2776), 144579_ka.mod (2777), 144579_ka_ib.mod (2778), 144579_kahp.mod (2779), 144579_kahp_deeppyr.mod (2780), 144579_kahp_slower.mod (2781), 144579_kc.mod (2782), 144579_kc_fast.mod (2783), 144579_kdr.mod (2784), 144579_kdr_fs.mod (2785), 144579_km.mod (2786), 144579_naf.mod (2787), 144579_naf2.mod (2788), 144579_naf_tcr.mod (2789), 144579_nap.mod (2790), 144579_napf.mod (2791), 144579_napf_spinstell.mod (2792), 144579_napf_tcr.mod (2793), 144579_par_ggap.mod (2794), 144579_pulsesyn.mod (2795), 144579_rampsyn.mod (2796), 144579_rand.mod (2797), 144579_ri.mod (2798), 144579_traub_nmda.mod (2799)

**[Mai and Liu, 2009]** 144586_bnet.mod (2800), 144586_misc.mod (2801), 144586_stats.mod (2802), 144586_vecst.mod (2803)

**[Culmone and Migliore, 2012]** 144976_distr.mod (2804), 144976_h.mod (2805), 144976_kadist.mod (2806), 144976_kaprox.mod (2807), 144976_kdrca1.mod (2808), 144976_na3n.mod (2809), 144976_naxn.mod (2810), 144976_netstims.mod (2811)

**[Fineberg et al., 2012]** 145672_Kv4_csi.mod (2812), 145672_Kv4_csiosi.mod (2813), 145672_migliore_kaprox.mod (2814), 145672_migliore_kdrca1.mod (2815), 145672_migliore_na3.mod (2816), 145672_migliore_nax.mod (2817)

**[Moradi et al., 2013]** 145836_SynExp2NMDA.mod (2818), 145836_SynExp3NMDA.mod (2819), 145836_SynExp3NMDA2.mod (2820), 145836_SynExp4NMDA.mod (2821), 145836_SynExp4NMDA2.mod (2822), 145836_SynExp5NMDA.mod (2823), 145836_SynExp5NMDA2.mod (2824), 145836_SynExp5NMDA3.mod (2825), 145836_SynNMDA10_1.mod (2826), 145836_SynNMDA10_2.mod (2827), 145836_SynNMDA10_2_2.mod (2828), 145836_SynNMDA16.mod (2829), 145836_SynNMDA16_2.mod (2830)

**[Bahl et al., 2012]** 146026_IKM.mod (2831), 146026_SlowCa.mod (2832), 146026_cad.mod (2833), 146026_h.mod (2834), 146026_kca.mod (2835), 146026_kfast.mod (2836), 146026_kslow.mod (2837), 146026_nap.mod (2838), 146026_nat.mod (2839)

**[O'Connor et al., 2012]** 146030_AMPA.mod (2840), 146030_Ca_mit_conc_ChannelML.mod (2841), 146030_CurrentClampExt.mod (2842), 146030_KA_ChannelML.mod (2843), 146030_KCa3_ChannelML_new.mod (2844), 146030_Kdr_ChannelML.mod (2845), 146030_LCa3_mit_usb_ChannelML.mod (2846), 146030_LeakConductance.mod (2847), 146030_NaxSH0_ChannelML.mod (2848), 146030_NaxSH10_ChannelML.mod (2849), 146030_SynForRnd.mod (2850)

**[Marasco et al., 2012]** 146376_h.mod (2851), 146376_kadist.mod (2852), 146376_kaprox.mod (2853), 146376_kdrca1.mod (2854), 146376_na3n.mod (2855), 146376_naxn.mod (2856), 146376_distr.mod (2857)

**[Lavzin et al., 2012]** 146565_CaT.mod (2858), 146565_ampa.mod (2859), 146565_ca.mod (2860), 146565_cad_long.mod (2861), 146565_cad_old.mod (2862), 146565_gaba.mod (2863), 146565_glutamate.mod (2864), 146565_h.mod (2865), 146565_hh3.mod (2866), 146565_kca.mod (2867), 146565_netgaba.mod (2868), 146565_netglutamate.mod (2869), 146565_hh3_icgK2.mod (3482)

**[Traub et al., 2005a]**

**[Traub et al., 2005b]** 45539_alphasyndiffeq.mod (2883), 45539_alphasynkin.mod (2884), 45539_alphasynkint.mod (2885), 45539_ampa.mod (2886), 45539_ar.mod (2887), 45539_cad.mod (2888), 45539_cal.mod (2889), 45539_cat.mod (2890), 45539_cat_a.mod (2891), 45539_gabaa.mod (2892), 45539_iclamp_const.mod (2893), 45539_k2.mod (2894), 45539_ka.mod (2895), 45539_ka_ib.mod (2896), 45539_kahp.mod (2897), 45539_kahp_deeppyr.mod (2898), 45539_kahp_slower.mod (2899), 45539_kc.mod (2900), 45539_kc_fast.mod (2901), 45539_kdr.mod (2902), 45539_kdr_fs.mod (2903), 45539_km.mod (2904), 45539_naf.mod (2905), 45539_naf2.mod (2906), 45539_naf_tcr.mod (2907), 45539_nap.mod (2908), 45539_napf.mod (2909), 45539_napf_spinstell.mod (2910), 45539_napf_tcr.mod (2911), 45539_par_ggap.mod (2912), 45539_pulsesyn.mod (2913), 45539_rampsyn.mod (2914), 45539_rand.mod (2915), 45539_ri.mod (2916), 45539_traub_nmda.mod (2917)

**[Golding et al., 2001]** 64167_kadist.mod (2918), 64167_kaprox.mod (2919), 64167_kdrca1.mod (2920), 64167_nax.mod (2921), 64167_vmax.mod (2922), 64167_vmax2.mod (2923)

**[Golding et al., 2005]** 64170_dv.mod (2924), 64170_ih.mod (2925), 64170_spines.mod (2926), 64170_synampa.mod (2927)

**[Schaefer et al., 2003b]** 83344_cad2.mod (2928), 83344_child.mod (2929), 83344_childa.mod (2930), 83344_epsp.mod (2931), 83344_it2.mod (2932), 83344_kaprox.mod (2933), 83344_kca.mod (2934), 83344_km.mod (2935), 83344_kv.mod (2936), 83344_na.mod (2937), 83344_SlowCa.mod (2938)

**[Migliore et al., 2014]** 151681_distrt.mod (2939), 151681_fi.mod (2940), 151681_kamt.mod (2941), 151681_kdrmt.mod (2942), 151681_naxn.mod (2943), 151681_ampanmda.mod (2944), 151681_ThreshDetect.mod (2945), 149415_kdrmt.mod (3323)

**[Kim et al., 2013]** 150288_ca.mod (2946), 150288_cal2.mod (2947), 150288_h.mod (2948), 150288_im.mod (2949), 150288_kadist.mod (2950), 150288_kaprox.mod (2951), 150288_kdrca1.mod (2952), 150288_kdrca1DA.mod (2953), 150288_kdrinter.mod (2954), 150288_leak.mod (2955), 150288_leakDA.mod (2956), 150288_leakinter.mod (2957), 150288_na3.mod (2958), 150288_na3DA.mod (2959), 150288_nainter.mod (2960), 150288_cadyn.mod (2961), 150288_capool.mod (2962), 150288_sahp.mod (2963), 150288_sahpNE.mod (2964)

**[Behuret et al., 2013]** 150240_hh2.mod (2965), 150240_IM.mod (2966), 150240_IT.mod (2967), 150240_ITGHK.mod (2968), 150240_cadecay.mod (2969)

[**Li and Cleland, 2013**]   149739_cadecay.mod (2970), 149739_cadecay2.mod (2971), 149739_Caint.mod (2972), 149739_Can.mod (2973), 149739_CaPN.mod (2974), 149739_CaT.mod (2975), 149739_hpg.mod (2976), 149739_kAmt.mod (2977), 149739_KCa.mod (2978), 149739_KDRmt.mod (2979), 149739_kfasttab.mod (2980), 149739_kM.mod (2981), 149739_KS.mod (2982), 149739_kslowtab.mod (2983), 149739_LCa.mod (2984), 149739_nafast.mod (2985), 149739_NaP.mod (2986), 149739_Naxn.mod (2987), 149739_Nicotin.mod (3324)

[**van der Velden et al., 2012**]   147514_cad.mod (2988), 147514_cadif.mod (2989), 147514_cadif_pump.mod (2990), 147514_kca.mod (2991), 147514_km.mod (2992), 147514_kv.mod (2993), 147514_L_HVA_Ca.mod (2994), 147514_na.mod (2995), 147514_ca.mod (2996)

[**Romani et al., 2013**]   147757_cad.mod (2997), 147757_cagk.mod (2998), 147757_cal.mod (2999), 147757_calH.mod (3000), 147757_car.mod (3001), 147757_cat.mod (3002), 147757_h.mod (3003), 147757_kadist.mod (3004), 147757_kaprox.mod (3005), 147757_kca.mod (3006), 147757_kdr.mod (3007), 147757_km.mod (3008), 147757_na3.mod (3009), 147757_na3dend.mod (3010), 147757_na3notrunk.mod (3011), 147757_nap.mod (3012), 147757_nax.mod (3013), 147757_somacar.mod (3014)

[**Narayanan and Johnston, 2010**]   147538_h.mod (3015), 147538_kadist.mod (3016), 147538_kdrca1.mod (3017), 147538_na3s.mod (3018), 147538_cad.mod (3019)

[**Miceli et al., 2013**]   148094_cad.mod (3020), 148094_cagk.mod (3021), 148094_cal2.mod (3022), 148094_cat.mod (3023), 148094_h.mod (3024), 148094_kadist.mod (3025), 148094_KahpM95.mod (3026), 148094_kaprox.mod (3027), 148094_kdrca1.mod (3028), 148094_kv72wt73wt72R213Q. (3029), 148094_kv72wt73wt72R213W.mod (3030), 148094_na3n.mod (3031), 148094_naxn.mod (3032), 148094_cacumm.mod (3033), 148094_kv72wt73w (3322)

[**Nakano et al., 2013**]   151458_bkkca.mod (3034), 151458_cadyn.mod (3035), 151458_caL.mod (3036), 151458_caL13.mod (3037), 151458_caldyn.mod (3038), 151458_can.mod (3039), 151458_caq.mod (3040), 151458_car.mod (3041), 151458_cat.mod (3042), 151458_kaf.mod (3043), 151458_kas.mod (3044), 151458_kir.mod (3045), 151458_krp.mod (3046), 151458_naf.mod (3047), 151458_nap.mod (3048), 151458_skkca.mod (3049)

[**Ashhad and Narayanan, 2013**]   150551_cat.mod (3050), 150551_kadist.mod (3051), 150551_kaprox.mod (3052), 150551_kdrca1.mod (3053), 150551_na3.mod (3054), 150551_nax.mod (3055), 150551_cal4.mod (3056), 150551_caltype.mod (3057)

[**Narayanan and Johnston, 2007**]   147578_h.mod (3058), 147539_h.mod (3260)

[**Chiu et al., 2013**]   143604_ca.mod (3059), 143604_cad.mod (3060), 143604_ca_a1g.mod (3061), 143604_ca_a1h.mod (3062), 143604_constant.mod (3063), 143604_im.mod (3064), 143604_kca.mod (3065), 143604_km.mod (3066), 143604_kv.mod (3067), 143604_na.mod (3068)

[**Miocinovic et al., 2006**]   151460_Cacum.mod (3069), 151460_CaT.mod (3070), 151460_HVA.mod (3071), 151460_Ih.mod (3072), 151460_KDR.mod (3073), 151460_Kv31.mod (3074), 151460_Na.mod (3075), 151460_NaL.mod (3076), 151460_PARAK75.mod (3077), 151460_AXNODE75.mod (3078), 151460_sKCa.mod (3079), 151460_STh.mod (3080), 147218_cap.mod (3081), 147218_gksub.mod (3082), 147218_kdr.mod (3083), 147218_leak.mod (3084), 147218_pf.mod (3085), 147218_pf_phasic.mod (3086), 147218_rsg.mod (3087), 147218_cf.mod (3088), 147218_calcium.mod (3089), 147218_stellat.mod (3090), 147218_stellat_phasic.mod (3091), 151460_AXNODE75_icgNA2.mod (3458)

[**Sousa et al., 2014**]   151949_CaIntraCellDyn.mod (3092), 151949_HH2.mod (3093), 151949_iCaAN.mod (3094), 151949_iCaL.mod (3095), 151949_iKCa.mod (3096)

[**Jedlicka et al., 2011**]   148253_cldif2.mod (3097), 148253_cldif.mod (3098)

[**Bianchi et al., 2014**]   151126_bgka.mod (3099), 151126_cad.mod (3100), 151126_cagk.mod (3101), 151126_cal.mod (3102), 151126_calH.mod (3103), 151126_car.mod (3104), 151126_cat.mod (3105), 151126_ccanl.mod (3106), 151126_gskch.mod (3107), 151126_h.mod (3108), 151126_IA.mod (3109), 151126_ichan2.mod (3110), 151126_Ih.mod (3111), 151126_kadist.mod (3112), 151126_kaprox.mod (3113), 151126_Kaxon.mod (3114), 151126_kca.mod (3115), 151126_Kdend.mod (3116), 151126_kdr.mod (3117), 151126_kdrax.mod (3118), 151126_km.mod (3119), 151126_Ksoma.mod (3120), 151126_LcaMig.mod (3121), 151126_na3.mod (3122), 151126_na3dend.mod (3123), 151126_na3notrunk.mod (3124), 151126_Naaxon.mod (3125), 151126_Nadend.mod (3126), 151126_nap.mod (3127), 151126_Nasoma.mod (3128), 151126_nax.mod (3129), 151126_nca.mod (3130), 151126_somacar.mod (3131)

[**Behabadi et al., 2012**]   151404_hh3k.mod (3132), 151404_hh3na.mod (3133)

[**Ferrante et al., 2013**]   146509_kadist.mod (3134), 146509_kaprox.mod (3135), 146509_kdrca1.mod (3136), 146509_na3n.mod (3137), 146509_h.mod (3138)

[**Neymotin et al., 2013**]   151282_CA3ih.mod (3139), 151282_CA3ika.mod (3140), 151282_CA3ina.mod (3141), 151282_caolmw.mod (3142), 151282_HCN1.mod (3143), 151282_icaolmw.mod (3144), 151282_iholmw.mod (3145), 151282_ihstatic.mod (3146), 151282_kcaolmw.mod (3147), 151282_kdrbwb.mod (3148), 151282_nafbwb.mod (3149), 151282_CA3ikdr.mod (3325), 151282_CA3ika_icgK2.mod (3462)

[**Narayanan and Chattarji, 2010**]   147867_cadiv.mod (3150), 147867_cagk.mod (3151), 147867_cal2.mod (3152), 147867_can2.mod (3153), 147867_cat.mod (3154), 147867_h.mod (3155), 147867_kad.mod (3156), 147867_kahp.mod (3157), 147867_kap.mod (3158), 147867_kdr.mod (3159), 147867_nahh.mod (3160), 147867_borgkm.mod (3161)

[**Torben-Nielsen et al., 2012**]   144502_kdr.mod (3162), 144502_leak.mod (3163), 144502_na.mod (3164), 144502_stoca.mod (3165)

[**Almog and Korngreen, 2014**]   151825_BK.mod (3166), 151825_cad.mod (3167), 151825_ca_h.mod (3168), 151825_ca_r.mod (3169), 151825_ih.mod (3170), 151825_kfast.mod (3171), 151825_kslow.mod (3172), 151825_na.mod (3173), 151825_SK.mod (3174)

[**Ovsepian et al., 2013**]   150024_CaHVA.mod (3175), 150024_CalConc.mod (3176), 150024_CaLVA.mod (3177), 150024_fKdr.mod (3178), 150024_h.mod (3179), 150024_NaF.mod (3180), 150024_NaP.mod (3181), 150024_pasDCN.mod (3182), 150024_CaConc.mod (3183), 150024_SK.mod (3184), 150024_sKdr.mod (3185), 150024_TNC.mod (3186)

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**[Yu et al., 2013b]** 144570_kamt.mod (3187), 144570_kdrmt.mod (3188), 144570_naxn.mod (3189)

**[Schmidt-Hieber and Hausser, 2013]** 150239_hcn.mod (3190), 150239_kap.mod (3191), 150239_kdr.mod (3192), 150239_Nap.mod (3193), 150239_nax.mod (3194)

**[Wang et al., 2013]** 149737_ih_stochastic.mod (3195), 149737_kfast.mod (3196), 149737_kslow.mod (3197), 149737_na.mod (3198)

**[Berzhanskaya et al., 2013]** 144589_h.mod (3199), 144589_kadist.mod (3200), 144589_kaprox.mod (3201), 144589_kdrca1.mod (3202), 144589_na3.mod (3203), 144589_nax.mod (3204)

**[Mattioni and Le Novere, 2013]** 150284_bkkca.mod (3205), 150284_cadyn.mod (3206), 150284_caL.mod (3207), 150284_caL13.mod (3208), 150284_caldyn.mod (3209), 150284_caltrack.mod (3210), 150284_can.mod (3211), 150284_caq.mod (3212), 150284_car.mod (3213), 150284_cat.mod (3214), 150284_catrack.mod (3215), 150284_kaf.mod (3216), 150284_kas.mod (3217), 150284_kir.mod (3218), 150284_krp.mod (3219), 150284_naf.mod (3220), 150284_nap.mod (3221), 150284_rubin.mod (3222), 150284_skkca.mod (3223)

**[Parekh and Ascoli, 2013]** 148644_h.mod (3224), 148644_kadist.mod (3225), 148644_kaprox.mod (3226), 148644_kdrca1.mod (3227), 148644_na3n.mod (3228), 148644_naxn.mod (3229), 153280_ch_CavL.mod (3394), 153280_ch_CavLZ.mod (3395), 153280_ch_CavN.mod (3396), 153280_ch_CavT.mod (3397), 153280_ch_HCNp.mod (3398), 153280_ch_KCaS.mod (3399)

**[Migliore and McTavish, 2013]** 149415_kamt.mod (3230), 149415_naxn.mod (3231), 150556_KAfm.mod (3261), 150556_KAsm.mod (3262), 150556_Kirm.mod (3263), 150556_Km.mod (3264), 150556_Krpm.mod (3265), 150556_Leakm.mod (3266), 150556_Nam.mod (3267), 150556_NaPm.mod (3268), 150556_NaSm.mod (3269)

**[Foutz et al., 2012]** 153196_chanrhod.mod (3232), 153196_kca.mod (3233), 153196_km.mod (3234), 153196_kv.mod (3235), 153196_na.mod (3236), 153196_na12.mod (3237), 153196_na16.mod (3238), 153196_ca.mod (3239), 153196_cad.mod (3240)

**[Hay et al., 2013]** 149100_Ca_LVAst.mod (3241), 149100_Ih.mod (3242), 149100_K_Pst.mod (3243), 149100_K_Tst.mod (3244), 149100_Nap_Et2.mod (3245), 149100_NaTg.mod (3246), 149100_CaDynamics_E2.mod (3247), 149100_Ca_HVA.mod (3248), 149100_SKv3_1.mod (3249), 149100_SK_E2.mod (3250)

**[Balbi et al., 2014]** 151443_Kdr.mod (3251), 151443_K_No.mod (3252), 151443_lk.mod (3253), 151443_mAHP.mod (3254), 151443_Naf_IS.mod (3255), 151443_Naf_No.mod (3256), 151443_Naf_So.mod (3257), 151443_Nap.mod (3258), 151443_Nap_No.mod (3259)

**[Thomas and Petrou, 2013]** 149174_bgka.mod (3270), 149174_CaBK.mod (3271), 149174_ccanl.mod (3272), 149174_gskch.mod (3273), 149174_hyperde3.mod (3274), 149174_ichan2.mod (3275), 149174_LcaMig.mod (3276), 149174_nad.mod (3277), 149174_nca.mod (3278), 149174_tca.mod (3279), 149174_hyperde3_icgIH2.mod (3473), 149174_ichan2_icgK2.mod (3495)

**[Conde-Sousa and Aguiar, 2013]** 147461_HH2.mod (3280), 147461_iCaAN.mod (3281), 147461_iCaL.mod (3282), 147461_CaIntraCellDyn.mod (3283)

**[Mahon et al., 2000]** 150621_KAfm.mod (3284), 150621_KAsm.mod (3285), 150621_Kirm.mod (3286), 150621_Km.mod (3287), 150621_Krpm.mod (3288), 150621_Leakm.mod (3289), 150621_Nam.mod (3290), 150621_NaPm.mod (3291), 150621_NaSm.mod (3292)

**[Vladimirov et al., 2013]** 150446_KahpTraub1994.mod (3293), 150446_KaTraub1994.mod (3294), 150446_KcTraub1994.mod (3295), 150446_KdrTraub1994ax.mod (3296), 150446_KdrTraub1994sd.mod (3297), 150446_NafTraub1994ax.mod (3298), 150446_NafTraub1994sd.mod (3299), 150446_CadTraub1994.mod (3300), 150446_CaTraub1994.mod (3301)

**[Marasco et al., 2013]** 149000_CalciumP.mod (3302), 149000_CaP.mod (3303), 149000_CaP2.mod (3304), 149000_CaT.mod (3305), 149000_K2.mod (3306), 149000_K22.mod (3307), 149000_K23.mod (3308), 149000_KA.mod (3309), 149000_KC.mod (3310), 149000_KC2.mod (3311), 149000_KC3.mod (3312), 149000_KD.mod (3313), 149000_Kdr.mod (3314), 149000_Kh.mod (3315), 149000_Khh.mod (3316), 149000_KM.mod (3317), 149000_Leak.mod (3318), 149000_NaF.mod (3319), 149000_NaP.mod (3320), 149000_CaE.mod (3321), 148094_kv72wt73wt.mod (3322)

**[Avella Gonzalez et al., 2014]** 155705_K_pyr_bk.mod (3326), 155705_Na_pyr_bk.mod (3327)

**[Avella Gonzalez et al., 2012]** 156120_hh1.mod (3328), 156120_h_chann.mod (3329), 156120_km.mod (3330), 156120_K_pyr_bk.mod (3331), 156120_Na_pyr_bk.mod (3332)

**[Proddutur et al., 2013]** 155601_ccanl.mod (3333), 155601_gskch.mod (3334), 155601_hyperde3.mod (3335), 155601_ichan2.mod (3336), 155601_LcaMig.mod (3337), 155601_markov.mod (3338), 155601_nca.mod (3339), 155601_bgka.mod (3340), 155601_CaBK.mod (3341), 155601_tca.mod (3342), 155601_ichan2_icgK2.mod (3452), 155601_hyperde3_icgIH2.mod (3464)

**[Tejada et al., 2014]** 155568_CaBK.mod (3343), 155568_ccanl.mod (3344), 155568_gskch.mod (3345), 155568_hyperde3.mod (3346), 155568_ichan2.mod (3347), 155568_LcaMig.mod (3348), 155568_nca.mod (3349), 155568_bgka.mod (3350), 155568_tca.mod (3351), 155568_ichan2_icgK2 (3451), 155568_hyperde3_icgIH2.mod (3466)

**[Overstreet et al., 2013]** 147460_AXNODE.mod (3352), 147460_AXNODE_icgK2.mod (3457), 147460_AXNODE_icgNA2.mod (3493)

**[Chambers et al., 2014]** 155796_can.mod (3353), 155796_cansc.mod (3354), 155796_ih.mod (3355), 155796_jcal.mod (3356), 155796_ka.mod (3357), 155796_kca_fast.mod (3358), 155796_kca_slow.mod (3359), 155796_kdr.mod (3360), 155796_nav13.mod (3361), 155796_nav17.mod (3362), 155796_nav19.mod (3363)

[**Papoutsi et al., 2013**]   155057_ampa.mod (3364), 155057_ampain.mod (3365), 155057_cadyn.mod (3366), 155057_cal.mod (3367), 155057_can.mod (3368), 155057_car.mod (3369), 155057_cat.mod (3370), 155057_gabaa.mod (3371), 155057_gabaain.mod (3372), 155057_gabab.mod (3373), 155057_h.mod (3374), 155057_ican.mod (3375), 155057_iks.mod (3376), 155057_kadist.mod (3377), 155057_kca.mod (3378), 155057_kct.mod (3379), 155057_kdr.mod (3380), 155057_naf.mod (3381), 155057_nap.mod (3382), 155057_NMDA.mod (3383), 155057_NMDAsyn.mod (3384)

[**Li et al., 2013**]   150538_cad2.mod (3385), 150538_GABABsyn.mod (3386), 150538_h.mod (3387), 150538_kca.mod (3388), 150538_km.mod (3389), 150538_kv.mod (3390), 150538_na.mod (3391), 150538_NMDAr.mod (3392), 150538_SlowCa.mod (3393)

[**Lee et al., 2014**]   153280_ch_CavL.mod (3394), 153280_ch_CavLZ.mod (3395), 153280_ch_CavN.mod (3396), 153280_ch_CavT.mod (3397), 153280_ch_HCNp.mod (3398), 153280_ch_KCaS.mod (3399), 153280_ch_Kdrfast.mod (3400), 153280_ch_Kdrp.mod (3401), 153280_ch_Kdrslow.mod (3402), 153280_ch_KvA.mod (3403), 153280_ch_KvAdistp.mod (3404), 153280_ch_KvAproxp.mod (3405), 153280_ch_KvCaB.mod (3406), 153280_ch_leak.mod (3407), 153280_ch_Navp.mod (3408), 153280_ch_NavPVBC.mod (3409), 153280_iconc_Ca.mod (3410), 153280_iconc_CaZ.mod (3411)

[**Kaplan and Lansner, 2014**]   155157_AType_potassium.mod (3412), 155157_cadecay_destexhe.mod (3413), 155157_cadecay.mod (3414), 155157_cagk2.mod (3415), 155157_HH_traub.mod (3416), 155157_IL_gutnick.mod (3417), 155157_IM_cortex.mod (3418), 155157_IT_huguenard.mod (3419), 155157_kA.mod (3420), 155157_kca.mod (3421), 155157_kfasttab.mod (3422), 155157_kM.mod (3423), 155157_kslowtab.mod (3424), 155157_lcafixed.mod (3425), 155157_nafast.mod (3426), 155157_nagran.mod (3427)

[**Graham et al., 2014**]   154732_cagk.mod (3428), 154732_carF.mod (3429), 154732_h.mod (3430), 154732_kadist.mod (3431), 154732_kaprox.mod (3432), 154732_kca.mod (3433), 154732_kdrca1.mod (3434), 154732_km.mod (3435), 154732_na3n.mod (3436), 154732_naxn.mod (3437), 154732_cad.mod (3438)

[**Yu et al., 2013a**]   155602_ccanl.mod (3439), 155602_gskch.mod (3440), 155602_hyperde3.mod (3441), 155602_ichan2.mod (3442), 155602_LcaMig.mod (3443), 155602_markov.mod (3444), 155602_nca.mod (3445), 155602_bgka.mod (3446), 155602_CaBK.mod (3447), 155602_tca.mod (3448), 155602_ichan2_icgK2.mod (3453), 155602_hyperde3_icgIH2.mod (3465)

[**Markaki et al., 2005**]   119266_KdBG.mod (389), 119266_cad.mod (390), 119266_cadL.mod (391), 119266_cadN.mod (392), 119266_cal.mod (393), 119266_can.mod (394), 119266_car.mod (395), 119266_cat.mod (396), 119266_d3.mod (397), 119266_h.mod (398), 119266_hha2.mod (399), 119266_hha_old.mod (400), 119266_ic.mod (401), 119266_kadist.mod (402), 119266_kaprox.mod (403), 119266_kca.mod (404), 119266_km.mod (405), 119266_nap.mod (406)

[**Kampa and Stuart, 2006**]   108458_CaH.mod (73), 108458_CaT.mod (74), 108458_Cad.mod (75), 108458_Ka.mod (76), 108458_Kv.mod (77), 108458_na.mod (78)

[**Lee, 2007**]   125857_cacurrent.mod (660), 125857_cadecay.mod (661), 125857_kaf.mod (662), 125857_kahp.mod (663), 125857_kc.mod (664), 125857_kdr.mod (665), 125857_leak.mod (666), 125857_naf.mod (667), 125857_nap.mod (668)

[**Weaver and Wearne, 2006**]   87473_cad.mod (2481), 87473_cahi.mod (2482), 87473_feature_weaver.mod (2483), 87473_fn.mod (2484), 87473_ka.mod (2485), 87473_kca.mod (2486), 87473_nap.mod (2487)

[**Saftenku, 2002**]   51196_ampa.mod (2051), 51196_glu1.mod (2052), 51196_gr_ltp1.mod (2053), 51196_grc_ca.mod (2054), 51196_grc_calc.mod (2055), 51196_grc_ka.mod (2056), 51196_grc_kca.mod (2057), 51196_grc_kir.mod (2058), 51196_grc_lkg1.mod (2059), 51196_grc_lkg2.mod (2060), 51196_grc_pna.mod (2061), 51196_grg_km.mod (2062), 51196_grg_kv.mod (2063), 51196_grg_na.mod (2064), 51196_grg_nar.mod (2065), 51196_nmda.mod (2066), 51196_spgen2.mod (2067)

[**Meuth et al., 2005**]   121600_HH.mod (2720), 121600_ia.mod (2721), 121600_ic.mod (2722), 121600_ih.mod (2723), 121600_il.mod (2724), 121600_inap.mod (2725), 121600_it.mod (2726), 121600_leak.mod (2727)

[**Huguenard et al., 1997**]   3808_HH1.mod (1962), 3808_HH2.mod (1963), 3808_ampa.mod (1964), 3808_ampa2.mod (1965), 3808_cadyn.mod (1966), 3808_gabaA.mod (1967), 3808_gabaA2.mod (1968), 3808_gabaB.mod (1969), 3808_gabaB2.mod (1970), 3808_ia.mod (1971), 3808_iahp.mod (1972), 3808_iahp2.mod (1973), 3808_ic.mod (1974), 3808_ican.mod (1975), 3808_ih.mod (1976), 3808_il.mod (1977), 3808_im.mod (1978), 3808_it.mod (1979), 3808_it2.mod (1980), 3808_leak.mod (1981), 3808_nmda.mod (1982), 3808_nmda2.mod (1983), 3808_synstim.mod (1984)

[**Simon et al., 1999**]   3434_Counter.mod (1805), 3434_PoissonBinauralILDVM.mod (1806), 3434_PoissonBinauralVM.mod (1807), 3434_PoissonMon.mod (1808), 3434_PoissonTrigSyn.mod (1809), 3434_SpikeStats.mod (1810), 3434_TrigSynCD.mod (1811), 3434_khh.mod (1812), 3434_khva.mod (1813), 3434_klva.mod (1814), 3434_nahh.mod (1815)

[**Korogod et al., 1999**]   20014_PasD.mod (1600), 20014_PasS.mod (1601), 20014_PasSA.mod (1602), 20014_hh1.mod (1603)

[**Destexhe et al., 1994b**]   18197_HH.mod (1516), 18197_gaba.mod (1517), 18197_glutamate.mod (1518)

[**Graham et al., 2001**]   19747_BKDNaDR.mod (1581), 19747_ampa.mod (1582), 19747_coh.mod (1583)

[**Bahmer and Langner, 2006b**]   87454_ih.mod (2477), 87454_kht.mod (2478), 87454_leak.mod (2479), 87454_na.mod (2480)

[**Bahmer and Langner, 2006a**]   87454_ih.mod (2477), 87454_kht.mod (2478), 87454_leak.mod (2479), 87454_na.mod (2480)

[**Bahmer and Langner, 2009**]   87454_ih.mod (2477), 87454_kht.mod (2478), 87454_leak.mod (2479), 87454_na.mod (2480)

[**Bahmer and Langner, 2010**]   87454_ih.mod (2477), 87454_kht.mod (2478), 87454_leak.mod (2479), 87454_na.mod (2480)

**[Dodge and Cooley, 1973]** 3805_dc.mod (1954)

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