TABLE 2. Additional Data for New L Dwarfs

Name of L Dwarf	CrH-a	Rb-b/TiO-b	Cs-a/VO-b	Color-d	K I Fit	Oxide Fit	Spectral Type	Hα EW (Å)	Li I EW (Å)	Est. Dist. (pc)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2MASSW J0015447+351603	1.47(1-2)	1.07(2)	0.97(2)	5.77(-)	(2)	—	L2 V	2	<0.5	20
2MASSI J0028394+150141	2.84(5)	—	—	10.38(5)	(4)	(5)	L4.5 V	<2	<5	45
2MASSW J0030300−145033	1.62(7)	—	—	14.23(5)	—	(8)	L7 V	<10	<5	28
2MASSW J0036159+182110	1.72(3-4)	1.16(3)	1.12(3)	8.73(-)	(3-4)	—	L3.5 V	<0.5	<0.5	8.7[a]
2MASSW J0051107−154417	1.57(2)	1.43(4-5)	1.06(2-3)	8.62(-)	(4)	—	L3.5 V	<2	10	30
2MASSW J0058425−065123	1.16(0)	0.73(0)	0.74(M9)	6.53(-)	(0)	—	L0 V	2	<1	32
2MASSI J0103320+193536	1.96(5-6)	2.05(7)	1.47(5)	16.36(6)	—	—	L6 V	<1	12	29
2MASSW J0135358+120522	1.39(1)	1.01(1-2)	0.93(1-2)	5.76(-)	(2)	—	L1.5 V	7	<0.5	28
2MASSW J0205034+125142	2.19(5)	1.93(6-7)	1.24(4)	10.95(5)	(4-5)	—	L5 V	<1	<1	27
2MASSW J0208183+254253	1.37(1)	0.86(1)	0.87(1)	6.52(-)	(2)	—	L1 V	<0.5	<0.5	25
2MASSW J0208236+273740	2.14(5)	1.41(4)	1.57(6-7)	10.66(5)	(4-5)	—	L5 V	<1	<1	29
2MASSW J0208549+250048	1.89(4)	1.51(4-5)	1.72(8+)	11.61(5)	(5)	—	L5 V	<1	12	36
2MASSI J0224367+253704	1.56(2)	1.08(2)	1.21(3-4)	6.19(-)	(2)	—	L2 V	<1	<1	66
2MASSI J0302012+135814	1.81(4)	1.13(3)	1.11(3)	6.68(-)	(2)	—	L3 V	<2	5	56
2MASSW J0306268+154514	1.59(7)	—	—	13.88(5)	—	(6-8)	L6: V	<6	<6	44
2MASSW J0309088−194938	1.72(3)	—	—	11.54(5)	(4)	(5)	L4.5 V	<7	<6	34
2MASSW J0310599+164816	1.24(8)	—	—	31.55(8)	—	(8+)	L8 V	<3	5	20
2MASSI J0328426+230205	1.16(8+)	—	—	31.21(8)	—	(8+)	L8 V	<4	<3	24
2MASSW J0337036−175807	1.62(3)	—	—	11.33(5)	(4-5)	(5)	L4.5 V	<5	8	29
2MASSI J0409095+210439	1.67(3)	1.10(2-3)	1.21(3-4)	7.71(-)	(3)	—	L3 V	<1	<2	38
2MASSW J0708213+295035	2.18(5)	—	—	13.00(5)	(5)	(5-6)	L5 V	<2	<5	44
2MASSW J0740096+321203	2.46(5)	1.54(4-5)	1.38(4-5)	10.13(5)	(4)	—	L4.5 V	<2	<2	37
2MASSI J0746425+200032	1.29(0-1)	0.74(0-1)	0.88(1)	6.41(-)	(0-1)	—	L0.5 V	2	<0.5	12.3[a]
2MASSI J0753321+291711	1.50(2)	1.02(2)	1.16(3)	6.33(-)	(2)	—	L2 V	<0.5	<1	42
2MASSI J0756252+124456	1.47(7-8)	—	—	15.19(6)	—	(5)	L6 V	<3	15	35
2MASSW J0801405+462850	1.62(7)	1.87(6)	1.82(8+)	13.03(5)	—	—	L6.5 V	<2	<2	28
2MASSW J0820299+450031	2.38(5)	1.63(5-6)	1.54(6)	11.76(5)	(4)	—	L5 V	<2	<4	36
2MASSI J0825196+211552	1.44(7-8)	2.10(7)	1.43(5)	25.22(7-8)	—	—	L7.5 V	<2	10	12
2MASSW J0829066+145622	1.58(2)	1.01(2)	1.08(3)	5.70(-)	(2)	—	L2 V	<0.5	<0.5	30
2MASSW J0829570+265510	2.13(5)	—	—	17.72(6-7)	—	(7)	L6.5 V	<10	18	37
2MASSW J0832045−012835	1.46(1-2)	1.00(2)	0.90(1-2)	6.58(-)	(2)	—	L1.5 V	2	<1	25
2MASSW J0920122+351742	1.68(6-7)	1.84(6)	1.72(8+)	20.61(7)	—	—	L6.5 V	<0.5	<0.5	21
2MASSW J0928397−160312	1.54(2)	1.11(2-3)	1.03(2)	5.90(-)	(2)	—	L2 V	<0.5	<1	39
2MASSW J0929336+342952	1.22(8)	—	—	22.39(7)	—	(8)	L8 V	<3	≤11	22
2MASSW J0944027+313132	1.58(2)	1.07(2)	0.89(1-2)	6.65(-)	(2)	—	L2 V	≤1	<1	44
2MASSW J0951054+355801	1.67(3)	—	—	15.94(6)	—	(6-7)	L6 V	<5	<10	45
2MASSI J1029216+162652	1.72(3-4)	1.08(2)	1.03(2)	6.86(-)	(2-3)	—	L2.5 V	0.5	<0.5	23
2MASSW J1035245+250745	1.41(1)	0.88(1)	0.87(1)	6.15(-)	(1-2)	—	L1 V	<1	<1	35

TABLE 2. (continued)

Name of L Dwarf (1)	CrH-a (2)	Rb-b/TiO-b (3)	Cs-a/VO-b (4)	Color-d (5)	K I Fit (6)	Oxide Fit (7)	Spectral Type (8)	Hα EW (Å) (9)	Li I EW (Å) (10)	Est. Dist. (pc) (11)
2MASSW J1102337−235945	1.35(1:)	—	—	9.03(-)	(4)	(5)	L4.5 V	<5	≤5	53
2MASSW J1112257+354813	1.98(5)	1.60(5)	1.28(4)	9.90(-)	(4)	—	L4.5 V	≤1	9	21.7[a]
2MASSW J1123556+412228	1.55(2)	1.16(3)	1.03(2)	5.91(-)	(2)	—	L2.5 V	<1	<1	51
2MASSW J1239272+551537	2.05(5)	1.71(5-6)	1.40(5)	11.45(5)	(4-5)	—	L5 V	<3	14	17
2MASSW J1246467+402715	1.85(4)	1.30(4)	1.39(4-5)	9.43(-)	(4)	—	L4 V	≤1	11	25
2MASSI J1332286+263508	1.49(2)	1.06(2)	1.02(2)	5.92(-)	(2)	—	L2 V	<2	<2	55
2MASSW J1338261+414034	1.54(2)	1.06(2)	1.07(2-3)	7.05(-)	(3)	—	L2.5 V	≤1	<0.5	23
2MASSW J1343167+394508	2.36(5)	1.77(6)	1.48(5)	13.03(5)	(4-5)	—	L5 V	<3	≤20	34
2MASSW J1411175+393636	1.35(1)	0.99(2)	0.84(1)	6.88(-)	(2)	—	L1.5 V	<1	<1	33
2MASSW J1412244+163312	1.27(0-1)	0.79(1)	0.79(0-1)	6.23(-)	(0)	—	L0.5 V	4	<0.5	26
2MASSW J1438549−130910	1.50(2)	—	—	6.93(-)	(2-3)	(∼4)	L3: V	<4	<4	38
2MASSW J1449378+235537	1.18(0)	—	—	—	(0)	(0)	L0 V	—	<10	62
2MASSW J1507476−162738	1.99(5)	1.46(4-5)	1.39(4-5)	13.19(5)	(5)	—	L5 V	<0.5	<0.5	8:[a]
2MASSW J1523226+301456	1.19(8+)	—	—	35.16(8+)	—	(8)	L8 V	<15	9	18.6[a]
2MASSI J1526140+204341	1.91(6)	2.43(7-8)	2.16(8+)	—	—	—	L7 V	—	<10	19
2MASSI J1600054+170832	1.57(2)	0.72(0)	0.91(1-2)	6.94(-)	(2)	—	L1.5 V	<1.5	<2	62
2MASSW J1615441+355900	1.86(4)	1.02(2)	1.15(3)	7.68(-)	(3)	—	L3 V	<1	<1	24
2MASSI J1656188+283506	1.75(3-4)	—	—	10.74(5)	(4)	(5)	L4.5 V	<6	<3	56
2MASSI J1711457+223204	1.96(5-6)	—	—	16.87(6-7)	—	(6-7)	L6.5 V	<4	≤7	36
2MASSI J1726000+153819	1.44(1-2)	1.31(4)	0.93(1-2)	8.44(-)	(2)	—	L2 V	<2	6	42
2MASSW J1728114+394859	1.52(7)	—	—	19.76(7)	—	(7)	L7 V	<7	<4	20
2MASSW J1743415+212707	1.49(2)	1.31(4)	0.99(2)	5.84(-)	(3)	—	L2.5 V	6	<1	42
2MASSW J1841086+311727	1.41(1)	1.06(2)	1.10(3)	5.04(-)	(2?)	—	L4 V pec[b]	<2	<2	40
2MASSI J2054358+151904	1.04(M9)	—	—	5.38(-)	(0)	(2-3)	L1: V	<6	<4	75
2MASSI J2057153+171515	1.44(1-2)	0.93(1-2)	0.83(0-1)	5.61(-)	(2)	—	L1.5 V	<2	<1	61
2MASSW J2101154+175658	2.09(5-6)	—	—	27.61(7-8)	—	(7-8)	L7.5 V	<7	<5	29
2MASSW J2206540−421721	1.26(0-1)	1.39(4)	1.03(2)	6.75(-)	(2)	—	L2 V	≤2	8	41
2MASSW J2208136+292121	1.32(1)	0.98(2)	1.06(2-3)	6.73(-)	(0 pec)	—	L2 V pec[c]	<2	4	48
2MASSW J2224438−015852	1.99(5)	1.56(4-5)	1.20(3-4)	10.71(5)	(4-5)	—	L4.5 V	1	<0.5	14

[a] Distances determined via trigonometric parallax. See text and Table 3 for details.

[b] This object has a peculiar spectrum showing feature strengths that match those of an L4 dwarf although the overall color between 6300 and 10000 Å is too blue to be even early L.

[c] This object has a peculiar spectrum showing narrow K I lines like that of an L0 dwarf but TiO bands with strengths simliar to an L4 dwarf.