

Sex	Age (yrs)	Age<5 Code	Age<3 Code	Age<10 Code	Ht(cm )at Dx	Ht SDS at Dx
1	10.74	0	0	0	152.9	1.608
0	6.32	0	0	1	119.9	0.7
1	14.07	0	0	0	156.4	-0.876
0	9.24	0	0	1	126.9	-1.084
0	5.57	0	0	1	115.4	0.89
0	10.39	0	0	0	135	-0.673
1	4.16	1	0	1	103.3	0.186
0	7.76	0	0	1	126	0.018
1	8.17	0	0	1	133.5	0.832
0	6.56	0	0	1	121.3	0.63
1	7.70	0	0	1	124.5	-0.202
0	8.31	0	0	1	121.4	-1.279
0	11.12	0	0	0	146.5	0.307
1	9.24	0	0	1	136.1	0.308
1	8.88	0	0	1	126.3	-1.015
1	7.34	0	0	1	122	-0.196
0	3.67	1	0	1	96.4	1.396
0	10.50	0	0	0	137.4	-0.386
1	11.51	0	0	0	151	0.699
0	9.70	0	0	1	136	-0.008
1	6.54	0	0	1	119.7	0.262
0	11.40	0	0	0	158.1	1.631
0	10.02	0	0	0	132.8	-0.753
1	11.54	0	0	0	158.5	1.706
1	11.05	0	0	0	141.7	-0.231
1	6.94	0	0	1	121.9	0.171
1	11.22	0	0	0	151	0.957
1	3.52	1	0	1	109.2	2.584
0	10.42	0	0	0	136.4	-0.466
0	6.76	0	0	1	124	0.799
1	3.49	1	0	1	104.3	1.589
0	11.10	0	0	0	153.2	1.217
0	5.65	0	0	1	110.2	-0.26
0	7.81	0	0	1	115.5	-1.893
0	4.88	1	0	1	104.9	-0.28
1	10.36	0	0	0	136	-0.606
1	2.30	1	1	1	93	1.261
0	7.92	0	0	1	136.3	1.641
0	10.27	0	0	0	147.8	1.1
1	10.18	0	0	0	128	-1.725
1	7.72	0	0	1	123	-0.47
0	8.91	0	0	1	132.4	0.088
1	8.96	0	0	1	133.1	0.043
0	9.07	0	0	1	114.2	-3.194
0	6.07	0	0	1	115.8	0.266
0	2.22	1	1	1	84.3	-0.56
1	5.01	0	0	1	109.5	0.189

1	5.66	0	0	1	115.1	0.552
1	8.52	0	0	1	134.7	0.695
1	8.22	0	0	1	132	0.579
1	9.49	0	0	1	135	-0.076
1	8.08	0	0	1	126.5	-0.197
0	2.27	1	1	1	91	0.822
0	4.70	1	0	1	113.3	1.727
0	6.62	0	0	1	126.8	1.6
0	9.03	0	0	1	136.8	0.65
0	2.30	1	1	1	89.7	0.706
1	5.90	0	0	1	114	-0.01
1	8.33	0	0	1	124.7	-0.76
1	4.44	1	0	1	101.5	-0.747
1	3.81	1	0	1	101.4	0.293
1	5.31	0	0	1	112.1	0.391
0	10.25	0	0	0	137.2	-0.282
1	7.25	0	0	1	128.8	1.139
0	5.84	0	0	1	111	-0.449
0	5.90	0	0	1	110.7	-0.51
1	4.19	1	0	1	109	1.382
1	9.81	0	0	1	138.4	0.189
1	12.03	0	0	0	154.2	0.721
0	12.63	0	0	0	156.4	0.23
0	12.58	0	0	0	160.4	0.861
1	10.96	0	0	0	115.2	-4.19
0	11.08	0	0	0	156.8	1.783
0	10.12	0	0	0	142	0.557
1	5.25	0	0	1	112.7	0.639
1	4.22	1	0	1	103.7	0.145
0	3.99	1	0	1	106.1	1.409
0	7.27	0	0	1	124.7	0.332
1	2.72	1	1	1	93.4	0.363
1	6.67	0	0	1	125.7	0.877
1	10.68	0	0	0	159.5	2.526
1	0.67	1	1	1	150.3	1.241
0	9.07	0	0	1	134.8	0.334
1	7.13	0	0	1	124.9	0.528
1	10.05	0	0	0	141.8	0.512
1	4.66	1	0	1	103.8	-0.468
1	9.05	0	0	1	138.1	0.775
0	9.04	0	0	1	135.4	0.429
0	3.01	1	0	1	91	-0.674
0	10.72	0	0	0	145.6	0.569
0	14.42	0	0	0	162.5	0.217
0	10.23	0	0	0	141.2	0.372
0	10.76	0	0	0	153.8	1.697
0	7.07	0	0	1	131.9	1.842
1	5.14	0	0	1	108.9	-0.059

1	12.21	0	0	0	157.2	0.969
0	7.77	0	0	1	110	-2.974
0	10.01	0	0	0	140.6	0.42
1	1.76	1	1	1	82	
1	9.99	0	0	1	132.2	-0.897
0	8.24	0	0	1	135.9	1.25
1	14.80	0	0	0	184.9	2.194
1	11.69	0	0	0	157.4	1.423
1	11.71	0	0	0	158.5	1.568
1	9.66	0	0	1	137.5	0.182
0	7.25	0	0	1	122.8	-0.005
1	7.29	0	0	1	124.9	0.333
0	4.15	1	0	1	107.1	1.357
0	7.00	0	0	1	120.9	0.041
1	5.89	0	0	1	127.2	2.686
1	3.39	1	0	1	98.8	0.409
0	7.44	0	0	1	125.6	0.303
1	4.15	1	0	1	105.8	0.744
0	9.33	0	0	1	138.2	0.661
0	14.21	0	0	0	152.2	-1.287
1	6.48	0	0	1	113.3	-0.869
1	9.28	0	0	1	131.5	-0.502
0	5.70	0	0	1	113.7	0.321
0	10.82	0	0	0	147.5	0.757
0	5.56	0	0	1	112	0.221
0	5.75	0	0	1	117.5	1.053
0	5.52	0	0	1	113.9	0.598
0	4.32	1	0	1	110.5	1.816
1	9.93	0	0	1	137.4	-0.092
1	11.71	0	0	0	154.8	1.078
1	2.29	1	1	1	92	0.987
0	4.97	1	0	1	110	-0.767
1	3.98	1	0	1	97	-1.052
0	3.65	1	0	1	100.6	0.703
0	10.56	0	0	0	137.2	-0.483
0	10.80	0	0	0	146.5	0.618
1	7.16	0	0	1	122	-0.005
0	13.44	0	0	0	168.9	1.521
0	8.88	0	0	1	122.3	-1.612
1	11.77	0	0	0	150.3	0.407
1	14.71	0	0	0	162.5	-1.297
1	7.51	0	0	1	130.4	1.029
1	5.20	0	0	1	113.2	0.746
0	7.17	0	0	1	119.9	-0.339
0	8.40	0	0	1	126.8	-0.409
1	11.77	0	0	0	149.5	0.367
1	12.21	0	0	0	152.6	0.367
1	2.33	1	1	1	94	1.534

0	9.41	0	0	1	140	0.869
0	10.42	0	0	0	143	0.493
1	6.73	0	0	1	122.2	0.531
0	8.57	0	0	1	122.5	-1.304
0	2.13	1	1	1	85.3	-0.028
0	3.95	1	0	1	105	1.164
1	14.94	0	0	0	165.7	-0.455
1	3.74	1	0	1	101.4	0.439
0	4.24	1	0	1	101.8	0.045
1	4.78	1	0	1	110.5	0.781
0	6.03	0	0	1	117.7	0.629
1	4.35	1	0	1	107	1.197
1	11.05	0	0	0	152.4	1.279
1	10.24	0	0	0	146.5	1.08
1	4.29	1	0	1	102.7	-0.22
0	7.16	0	0	1	118.6	-0.58
1	10.52	0	0	0	128.7	-1.829
0	7.45	0	0	1	122.4	-0.263
1	4.91	1	0	1	108.1	0.124
0	6.10	0	0	1	107.7	-1.47
0	11.09	0	0	0	160.5	2.278
1	7.33	0	0	1	127.5	0.706
0	0.99	1	1	1	76.2	
0	6.65	0	0	1	124.69	1.128
0	11.50	0	0	0	143.9	-0.368
1	7.69	0	0	1	133.3	1.344
1	8.38	0	0	1	130.6	0.174
1	7.35	0	0	1	129.5	1.065
1	8.55	0	0	1	135.9	0.893
1	2.05	1	1	1	86.8	0.1
0	12.10	0	0	0	152.6	0.151
0	4.46	1	0	1	106	0.589
1	1.89	1	1	1	92	
1	12.00	0	0	0	163.5	1.064
0	12.47	0	0	0	155.1	0.19
0	9.95	0	0	1	153.3	2.159
1	11.88	0	0	0	130.6	-2.423
0	9.53	0	0	1	139.8	0.703
0	8.29	0	0	1	132.3	1.435
0	9.21	0	0	1	131.1	-0.394
0	12.32	0	0	0	153.6	0.132
0	9.42	0	0	1	150.7	2.372
1	11.26	0	0	0	155	1.373
0	12.29	0	0	0	147.9	-0.645
1	12.55	0	0	0	160.5	1.088
0	5.21	0	0	1	104.4	-0.879
0	6.75	0	0	1	121.1	0.28
0	10.96	0	0	0	142.1	-0.144

0	1.30	1	1	1	80	
1	3.11	1	0	1	96	0.349
0	3.85	1	0	1	100	0.154
1	12.83	0	0	0	165.8	1.517
0	6.00	0	0	1	118.6	0.795
0	5.99	0	0	1	115.6	0.342
0	11.15	0	0	0	143	-0.173
0	8.29	0	0	1	125.3	-0.591
0	5.32	0	0	1	116.9	1.543
0	12.81	0	0	0	158.4	0.383
0	7.39	0	0	1	127.1	0.655
1	7.23	0	0	1	121.2	-0.249
0	4.67	1	0	1	104	-0.227

Wt (kg) at Dx	Wt SDS at Dx	BMI (kg/m <sup>2</sup> )at Dx	BMI SDS at Dx	BMI% at Dx
58.1	2.213	24.8	1.949	95
23.8	0.833	16.53	0.746	76
53.6	0.278	21.8	0.847	79
24.5	-1.08	15.2	-0.617	26
21.1	0.716	15.95	0.534	69
31.5	-0.417	17.3	0.119	50
18.5	0.989	17	1.09	
25.1	0.084	15.8	0.061	52
43.2	2.343	24.2	2.271	99
25.9	1.11	17.6	1.154	87
38.4	2.208	24.58	2.414	99
20.5	-1.64	13.9	-1.349	9
35.8	-0.219	16.8	-0.283	38
44.9	1.983	24.3	2.101	98
29.8	0.383	18.77	1.136	86
28	1.039	18.81	1.506	92
14.3	0.681	15.5	-0.364	52
40.3	0.738	21.4	1.289	89
52.8	1.471	23.2	1.575	94
30	-0.237	16.2	-0.199	42
24.9	0.876	17.4	1.15	87
53.2	1.409	21.3	1.083	86
36.1	0.483	20.4	1.156	87
48.6	1.144	19.5	0.751	76
33.7	-0.317	16.8	-0.169	42
22	-0.237	14.8	-0.536	29
41.4	0.629	18	0.317	61
13.2	-1.274	11.1	-6.438	1
33.9	-0.032	18.3	0.487	67
29	1.54	18.9	1.538	93
16.4	0.753	15.16	-0.648	28
41.1	0.451	17.5	0.012	55
16.9	-0.939	13.9	-1.134	14
20.2	-1.366	15.1	-0.356	36
16.8	-0.289	15.2	0.026	53
40	0.944	21.63	1.504	
12.5	-0.377	14.4	-1.92	4
41.6	2.275	22.5	2.013	98
41.6	0.877	19.04	0.702	76
27.8	-0.933	17	0.149	54
23.6	-0.292	15.6	-0.036	47
23.2	-1.196	13.2	-2.095	2
38.9	1.589	22	1.839	96
26.8	-0.413	20.55	1.411	
18.2	-0.727	13.57	-1.48	7
11	-1.069	15.5	-0.629	29
18.7	0.166	15.45	0.017	51

21.8	0.741	16.5	0.801	78
32.7	1.066	18	0.958	83
28.6	0.574	16.4	0.336	62
28.6	-0.239	15.7	-0.356	35
24.3	-0.328	15.19	-0.383	35
12.7	0.074	16	-0.141	50
19	0.715	14.8	0.329	37
27.5	1.401	17.1	0.956	81
29.8	0.175	15.9	-0.182	42
13.65	0.815	16.7	0.321	65
20.8	0.856	16	0.464	67
23.7	-0.685	15.17	-0.446	32
16.1	-0.463	15.5	-0.035	49
17.1	0.733	16.76	0.843	81
23.1	1.394	18.3	1.784	96
33.1	-0.101	17.6	0.257	59
29.1	1.295	17.8	1.18	87
18.5	-0.46	15	-0.136	45
18.8	-0.342	15.26	0.055	52
18.1	0.739	15.2	-0.373	38
48.3	1.955	25.36	2.119	99
60.8	1.771	25.6	1.84	97
39.2	-0.601	16.1	-1.028	14
45.4	0.196	17.6	-0.297	42
40.3	0.648	16.7	-0.196	41
49.2	1.263	20	0.839	79
35.6	0.366	17.66	0.321	61
19.8	0.435	15	-0.365	35
18	0.697	16.7	0.887	83
17.2	0.737	15.3	-0.039	48
22	-0.374	15	-0.325	16
15.3	0.985	17.5	0.966	86
27.8	1.217	17.5	1.112	87
69.4	2.637	27.3	2.173	98
47.4	1.461	21.1	1.333	90
25.7	-0.663	14.3	-1.183	11
25.1	0.518	16.06	0.355	63
33.1	0.223	16.4	-0.105	45
16.8	-0.276	15.6	0.085	54
37.65	1.413	19.77	1.374	91
26	-0.593	14.18	-1.274	10
12.6	-0.798	15.2	-0.463	35
32.6	-0.449	15.1	-1.065	13
48.8	-0.212	18.5	-0.405	34
43.7	1.222	21.9	1.439	92
37.7	0.286	15.9	-0.61	25
35.8	2.185	20.6	1.864	97
17.7	-0.342	14.9	-0.471	33

45.7	0.518	18.5	0.253	58
19.5	-1.639	16.1	0.22	58
34	0.194	17.1	0.122	53
10.7		15.9		
27.4	-0.857	15.68	-0.497	30
27.4	0.29	14.8	-0.634	26
69.8	1.213	20.4	0.285	68
57.6	1.716	23.2	1.548	93
55.8	1.601	22.4	1.407	91
30.9	0.109	16.23	-0.089	45
24.1	0.199	15.93	0.241	58
29.5	1.312	18.88	1.527	93
20.6	1.7	17.9	1.589	95
22.6	0.049	15.5	0.06	50
24	1.151	14.8	-0.5	32
16.6	0.942	16.9	0.82	81
24.1	0.08	15.28	-0.216	42
17	0.336	15	-0.591	37
28.5	-0.236	15	-0.761	21
82.9	2.066	35.8	2.346	99
20.4	-0.469	15.9	0.337	63
33.8	0.786	19.5	1.25	89
20.6	0.411	15.85	0.458	67
54.7	1.781	25.1	-1.088	96
18.8	-0.061	14.99	-0.127	45
20	0.221	14.49	0.089	29
18.4	-0.214	14.16	-0.868	20
21.7	1.839	17.9	1.587	94
33.4	0.322	17.7	0.511	69
34.5	-0.62	14.4	-1.976	2
14.3	0.855	16.9	0.341	66
25	1.375	20.7	2.134	99
14.9	-0.608	15.8	0.107	57
16	0.553	15.81	0.291	62
39.9	0.646	21.2	1.23	89
55.7	1.845	26	1.943	97
21.9	-0.395	14.71	-0.631	26
79.8	2.109	27.8	1.785	96
26	-0.475	17.4	0.532	68
42.6	0.426	18.9	0.5	68
53.1	-0.216	20.1	0.194	56
28	0.879	16.4	0.474	68
20.8	0.782	16.2	0.612	74
23.1	0.063	16.04	0.335	61
24.2	-0.556	15.1	-0.483	29
38.6	-0.011	17.3	-0.023	44
42.3	0.146	18.2	0.137	53
13.5	0.333	15.3	-0.983	19



34.1	0.63	17.4	0.408	64
36	0.266	17.6	0.237	57
23.7	0.45	15.9	0.317	61
29.4	0.439	19.59	1.299	89
11.9	-0.183	16.47	-0.085	56
18.8	1.316	17.1	1.186	88
49.5	-0.664	18	-0.755	22
17.4	0.959	16.9	0.923	1
17.5	0.62	17.5	1.406	67
19	0.523	15.56	0.078	54
19	-0.406	13.6	-1.446	9
17.9	0.827	15.6	-0.047	53
80.6	2.906	34.9	2.563	99
30.3	-0.387	14.1	-1.777	4
18.2	0.696	17.1	1.181	89
25	-2.095	17.8	0.209	85
24.2	-2.178	14.6	-1.434	7
21	-0.822	14.2	-0.958	13
19.8	0.743	16.7	0.947	86
18.2	-0.799	15.7	0.317	62
56.2	1.763	21.9	1.274	89
26.8	0.74	16.4	0.51	70
8.4		14.5		
31	1.872	19.84	1.793	96
32.5	-0.949	15.7	-0.921	16
27.9	0.752	15.7	0.029	51
27.6	0.213	16.18	0.18	56
37.3	2.292	22.2	2.21	99
35.7	1.463	19.3	1.362	91
14.5	1.23	19.1	1.531	
45.1	0.361	19.4	0.436	66
18.1	0.618	16.1	0.64	74
13		16.32		
48.2	0.849	18	0.1	54
52.8	0.912	21.9	1.01	84
61.4	2.494	26.1	2.072	98
25.7	-2.665	15.1	-1.465	5
29.9	-0.143	15.26	-0.664	24
30	1.235	17.22	0.805	71
28.6	-0.159	16.6	0.116	54
39.2	-0.42	16.5	-0.73	23
60.1	2.674	26.49	2.204	99
33	-0.6	13.4	-2.826	5
47	0.473	21.5	0.952	82
52.5	1.003	20.4	0.806	77
15.4	-1.32	14.24	-0.81	22
20.2	-0.576	13.7	-1.347	3
42.5	0.694	21.1	1.123	86

9.9		15.4		
15.8	0.859	17.1	0.839	83
16.7	0.613	16.7	0.944	67
39.8	-0.534	14.2	-2.567	1
19.8	-0.115	14	-1.019	18
26	1.51	19.32	1.809	96
34.7	-0.381	17	-0.195	40
38.9	1.826	24.8	2.225	99
20.7	0.767	15.1	-0.038	50
47.3	0.281	19	0.164	54
32.5	1.634	20.1	1.83	95
23.2	-0.051	15.85	0.212	57
17.4	0.122	15.7	0.388	63

BMICode4	BMICode2	TDD LAI at Dx	TDD SAI at Dx	
3	1		3	4.5
0	0		1	0
0	0		19	24
0	0		0	0
0	0		5	6
0	0		0.25	0
			3	6
0	0		2.5	1.5
3	1		13	15
2	1		2	0
3	1		16	15
0	0		7	9
0	0		5	6
3	1		6	6
2	1		2	0
2	1		3	4.5
0	0		0.5	1.5
2	1		15	10
2	1		11	5
0	0		7	5.5
2	1		6	12
2	1		9	6
2	1		6	9
0	0		13	15
0	0		8	5
0	0		5	3
0	0		22	18
1	0		2	1.5
0	0		10	9
2	1		5	5
0	0		1	3
0	0		13	7.5
0	0		5	7.5
0	0		5	4.5
0	0		2	3
			10	15
1	0		2	1.5
3	1		10	9
0	0		6	15
0	0		12	12
0	0		3	6
1	0		1	0
3	1		6	5
			5	6
0	0		3	3.5
0	0			
0	0		20	1.5

0	0	5	3
0	0	7	9
0	0	5	6
0	0	6	9
0	0	8	13.5
0	0	2	3
0	0	3	1.5
0	0	3	9
0	0	7	9
0	0	1	1.5
0	0	3.5	4.5
0	0	5	6
0	0	2.5	1.5
0	0	2.5	4
3	1	4	9
0	0	0	3.5
2	1	9	0
0	0	3	4.5
0	0	3	6
0	0	1	1.5
3	1	22	24
3	1	16	15
0	0	13	15
0	0	14	13
0	0	12	19.5
0	0	10	13
0	0	13	15
0	0	4	0
0	0	1	4.4
0	0	1	3
0	0	5	6
2	1	1	1.5
2	1	3	3
3	1	19	19
2	1	18	10
0	0	7	3
0	0	3	10
0	0	16	15
0	0	3	12
2	1	13	11
0	0	5	7.5
0	0	0.5	1.5
0	0	10	12
0	0	16	15
2	1	0	0
0	0	10	8
3	1	10	7.5
0	0	3.5	5

0	0	20	22
0	0	1	8
0	0	6	8
		2	3
0	0	7	10.5
0	0	9	12
0	0	16	7.5
2	1	12	7.5
2	1	15	12
0	0	14	24
0	0	7	12.5
2	1	5	6
3	1	6	9.5
0	0	4	0
0	0	4	6
0	0	3.5	4.5
0	0	6	9
0	0	2	4.5
0	0	8	12
3	1	19	28
0	0	4	3
2	1	9	6
0	0	4	7.5
3	1	17	15
0	0	5	9
0	0	6	9
0	0	3.5	6.5
2	1	4	10
0	0	6	6
1	0	12	9
0	0	2	3
3	1	3	6.45
0	0	1	3.5
0	0	3	3
2	1	17	12
3	1	16	21
0	0	6	9
3	1	22	24
0	0	8	7
0	0	18	15
0	0	16	14
0	0	6	3
0	0	9	9
0	0	8.5	15
0	0	6	5
0	0	18	18
0	0	15	18
0	0	1.5	3

0	0	9	12
0	0	28	6.5
0	0	5	6
2	1	3.5	4
0	0	3	4.5
2	1	2.5	3
0	0	20	19
1	0	2	3
0	0	3	3
0	0	5	3
0	0	3	6
0	0	3	4.5
3	1	30	15
1	0	7	6
2	1	5	6
2	1	6	3
0	0	5	7.5
0	0	6	3
2	1	1	
0	0	4	14.5
2	1	30	24
0	0	4	7.5
		2	1.5
3	1	9	12
0	0	13	13
0	0	12	12
0	0	8	15
3	1	10	9
2	1	15	10
		2	4.5
0	0	18	15
0	0	6.5	7.5
		2	4.5
0	0	20	10
0	0	25	27
3	1	16	18
1	0	9	12
0	0	9	12
0	0	10	15
0	0	12	0
0	0	14	12.5
3	1	23	29
1	0	9	7.5
0	0	22	18
0	0	15	20
0	0	5	12
1	0	4	3
2	1	20	11.6

0	0	3	4.5
0	0	2	0.5
1	0	6	12
0	0	14	12
3	1	9	3
0	0	8	12
3	1	18	24
0	0	10	7.5
0	0	5	9
0	0	19	24
3	1	9	9
0	0	7	9
0	0	1?	

Absolute TDD insulin at Dx (0mo)	TDD (Unit/Kg/day) 0mo	TDD LAI at 6mo
7.5	0.129	0
1	0.042	0
43	0.802	0
0	0	0
11	0.521	0
0.25	0.008	1.5
9	0.486	1
4	0.159	0.5
28	0.648	2
2	0.077	1
31	0.807	0.5
16	0.78	0.75
11	0.307	3
12	0.267	3
2	0.067	2
7.5	0.268	2
2	0.14	0.5
25	0.62	2
16	0.303	4
12.5	0.417	2
18	0.723	1
15	0.28	6
15	0.416	1.5
28	0.576	5
13	0.386	6
8	0.364	4
40	0.966	7
3.5	0.265	0.5
19	0.56	2
10	0.345	5.35
4	0.244	0
20.5	0.499	1.3
12.5	0.74	1
9.5	0.47	1.5
5	0.298	2
25	0.625	4
3.5	0.28	0.5
19	0.457	9
21	0.505	4
24	0.863	3
9	0.381	2
1	0.043	2
11	0.283	5
11	0.41	2
6.5	0.357	1
		3
21.5	1.15	1.5



8	0.367	2
16	0.489	4
11	0.385	4
15	0.524	1.5
21.5	0.885	3
5	0.394	0.5
4.5	0.237	3
12	0.436	2
16	0.537	3
2.5	0.183	1
8	0.385	3
11	0.464	3
4	0.248	1.5
6.5	0.38	1.25
13	0.563	1
3.5	0.106	5
9	0.309	5.5
7.5	0.405	2
9	0.479	1.5
2.5	0.138	2
46	0.952	3
31	0.51	11
28	0.714	6
27	0.595	9
31.5	0.782	9
23	0.467	12
28	0.787	7
4	0.202	4
5.4	0.3	1
4	0.233	1.5
11	0.5	3
2.5	0.163	2.5
6	0.216	0
38	0.548	13
28	0.591	12
10	0.389	5
13	0.518	5.5
31	0.937	5
15	0.893	1
24	0.637	7
12.5	0.481	4
2	0.159	0.5
22	0.675	7
31	0.635	16
0	0	9
18	0.477	8
17.5	0.489	6.9
8.5	0.48	2

42	0.919	7
9	0.461	3
14	0.412	7
5	0.467	2
17.5	0.639	5
21	0.766	4.5
23.5	0.337	26.4
19.5	0.339	13
27	0.484	14
38	1.23	4
19.5	0.809	6
11	0.373	7
15.5	0.752	4
4	0.177	3
10	0.417	6
8	0.482	3
15	0.622	7
6.5	0.382	2
20	0.702	7
47	0.567	15
7	0.343	5
15	0.444	11
11.5	0.558	0
32	0.585	14
14	0.745	4
15	0.75	6
10	0.543	2
14	0.645	5.5
12	0.359	9
21	0.609	9
5	0.35	3.5
9.45	0.378	5
4.5	0.302	2.5
6	0.375	4
29	0.727	14
37	0.664	15
15	0.685	4
46	0.576	17
15	0.577	7
33	0.775	18
30	0.565	18
9	0.321	9
18	0.865	9.5
23.5	1.017	6
11	0.455	8.45
36	0.933	18
33	0.78	11
4.5	0.333	2.5

21	0.616	5
34.5	0.958	15
11	0.464	4
7.5	0.255	8
7.5	0.63	3
5.5	0.293	6
39	0.788	18
5	0.287	3.5
6	0.343	5.5
8	0.421	6
9	0.474	3.5
7.5	0.419	3
45	0.558	34
13	0.429	10
11	0.604	0
9	0.36	8
12.5	0.517	9
9	0.429	5
1		6
18.5	1.016	3.5
54	0.96	27
11.5	0.429	6
3.5	0.417	
21	0.677	10
26	0.8	12
24	0.86	12
23	0.833	12
19	0.509	11
25	0.7	18
6.5	0.448	0
33	0.732	20
14	0.773	6.5
6.5	0.5	0
30	0.622	22
52	0.985	22
24	0.391	30
21	0.817	8
21	0.702	11
25	0.833	8
12	0.42	10
26.5	0.676	20
52	0.865	24
16.5	0.5	13
40	0.851	29
35	0.667	19
17	1.104	5
7	0.347	9
31.6	0.744	22

7.5	0.758	4
2.5	0.158	6
18	1.078	8
26	0.653	18
12	0.606	14
20	0.769	13
42	1.21	29
17.5	0.45	
14	0.676	
43	0.909	
18	0.554	
16	0.69	

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TDD SAI at 6 mo	TDD at 6mo	TDD 6mo (U/Kg/Day)	Status by TDD @6mo
0	0	0	1
0	0	0	1
0	0	0	1
0	0	0	1
0	0	0	1
0	1.5	0.05	1
0	1	0.053	1
1.5	2	0.075	1
1.5	3.5	0.077	1
1	2	0.078	1
3	3.5	0.09	1
1.5	2.25	0.1	1
3.3	6.3	0.101	1
1.5	4.5	0.103	1
1.5	3.5	0.116	1
1.5	3.5	0.119	1
1.5	2	0.128	1
3	5	0.13	1
3	7	0.13	1
3	5	0.155	1
3.5	4.5	0.157	1
3.7	9.7	0.17	1
5	6.5	0.174	1
4.3	9.3	0.175	1
0	6	0.177	1
0	4	0.183	1
1.5	8.5	0.183	1
3	3.5	0.184	1
4.5	6.5	0.184	1
0	5.35	0.185	1
3.5	3.5	0.189	1
6.9	8.2	0.191	1
2.5	3.5	0.199	1
2.5	4	0.2	1
1.5	3.5	0.201	1
4.5	8.5	0.201	1
2.5	3	0.204	1
0	9	0.208	1
3.75	7.75	0.208	1
3	6	0.209	1
3	5	0.211	1
3	5	0.214	1
3.5	8.5	0.217	1
4.5	6.5	0.219	1
3.5	4.5	0.222	1
	3	0.222	1
3	4.5	0.224	1

3	5	0.225	1
4.3	8.3	0.232	1
3	7	0.234	1
5.3	6.8	0.234	1
3	6	0.236	1
3	3.5	0.236	1
1.5	4.5	0.242	1
4.5	6.5	0.243	1
5.5	8.5	0.258	1
3	4	0.265	1
3	6	0.269	1
3.5	6.5	0.269	1
3	4.5	0.273	1
3.5	4.75	0.279	1
5.5	6.5	0.281	1
4.5	9.5	0.288	1
3	8.5	0.288	1
3.7	5.7	0.292	1
4.5	6	0.299	1
4	6	0.3	0
12	15	0.301	0
9	20	0.303	0
6	12	0.307	0
5.55	14.55	0.31	0
6	15	0.311	0
5.5	17.5	0.317	0
5	12	0.318	0
3	7	0.318	0
5	6	0.324	0
4.5	6	0.324	0
5	8	0.328	0
3	5.5	0.335	0
9.75	9.75	0.336	0
10	23	0.338	0
5	17	0.345	0
5	10	0.346	0
4	9.5	0.347	0
7.5	12.5	0.35	0
5.3	6.3	0.35	0
6	13	0.35	0
6.5	10.5	0.354	0
4.5	5	0.355	0
6.5	13.5	0.357	0
3.75	19.75	0.361	0
5	14	0.364	0
7.5	15.5	0.373	0
7	13.9	0.378	0
5.3	7.3	0.378	0

10	17	0.379	0
5	8	0.386	0
8.25	15.25	0.395	0
3	5	0.397	0
6	11	0.399	0
7.5	12	0.404	0
7	33.4	0.414	0
12.5	25.5	0.417	0
10	24	0.421	0
10	14	0.427	0
6	12	0.435	0
7.5	14.5	0.435	0
6	10	0.441	0
7.2	10.2	0.442	0
5.5	11.5	0.444	0
5	8	0.444	0
4.5	11.5	0.444	0
6	8	0.447	0
6.9	13.9	0.447	0
21	36	0.454	0
5	10	0.455	0
4.5	15.5	0.455	0
11	11	0.455	0
12	26	0.456	0
5.5	9.5	0.459	0
4.5	10.5	0.461	0
7.5	9.5	0.461	0
5.5	11	0.462	0
6.55	15.55	0.467	0
10	19	0.468	0
4.5	7.5	0.469	0
7.5	12.5	0.477	0
5	7.5	0.478	0
4.5	8.5	0.48	0
7.5	21.5	0.48	0
15	30	0.484	0
8	12	0.488	0
18	35	0.493	0
7	14	0.5	0
8.3	26.3	0.502	0
10.75	28.75	0.505	0
5.5	14.5	0.505	0
2	11.5	0.507	0
8	14	0.507	0
5	13.5	0.523	0
10	28	0.536	0
12.5	23.5	0.548	0
6	8.5	0.556	0

14	19	0.56	0
6.5	21.5	0.56	0
11	15	0.562	0
8	16	0.565	0
4.5	7.5	0.568	0
6	12	0.569	0
15	33	0.573	0
7.5	11	0.573	0
6	11.5	0.578	0
5.5	11.5	0.581	0
8.5	12	0.583	0
9	12	0.585	0
15	49	0.629	0
9	19	0.631	0
12.4	12.4	0.646	0
10	18	0.657	0
10	19	0.664	0
10	15	0.67	0
7.5	13.5	0.672	0
10.8	14.3	0.676	0
18	45	0.682	0
15	21	0.686	0
6.6	6.6	0.688	0
12	22	0.688	0
15	27	0.709	0
12	24	0.71	0
10	22	0.712	0
17	28	0.722	0
13	31	0.723	0
12	12	0.727	0
18	38	0.734	0
9	15.5	0.738	0
11.6	11.6	0.739	0
15	37	0.739	0
21	43	0.753	0
18	48	0.756	0
14	22	0.761	0
18.5	29.5	0.764	0
16	24	0.764	0
15	25	0.769	0
15	35	0.8	0
26	50	0.801	0
16.5	29.5	0.817	0
24	53	0.831	0
24	43	0.865	0
12	17	0.89	0
11.3	20.3	0.906	0
17.8	39.8	0.91	0



6.5	10.5	0.913	0
9	15	0.92	0
9	17	0.971	0
30	48	1.048	0
12	26	1.097	0
19.5	32.5	1.25	0
20.6	49.6	1.282	0

TDD LAI at 12mo	TDD SAI at 12mo	TDD at 12mo	TDD 12mo (U/Kg/Day)	
	0	0	0	0
	2	3.5	5.5	0.216
	6	12	18	0.311
	3	4.5	7.5	0.298
	0.5	0	0.5	0.022
	2	2	4	0.125
	4	2.5	6.5	0.31
	9	13	22	0.52
	3	4	7	0.27
	4	9	13	0.361
	4	3	7	0.289
	3.1	4.9	8	0.226
	6	6	12	0.285
	8	6	14	0.445
	4	8	12	0.395
	3	6	9	0.526
	13	9.3	22.3	0.587
	6	3.75	9.75	0.174
	4	4.5	8.5	0.243
	3.5	6	9.5	0.314
	13	10	23	0.386
	1.5	5	6.5	0.167
	5	4.3	9.3	0.173
	8	6.45	14.45	0.393
	7	10	17	0.685
	12	7	19	0.386
	5	9	14	0.657
	3	8.5	11.5	0.315
	4.85	1	5.85	0.208
	1	9	10	0.543
	2.4	7.5	9.9	0.228
	1	6.5	7.5	0.399
	1.5	4.5	6	0.29
	3	5	8	0.419
	7	8	15	0.317
	1.5	3	4.5	0.273
	13	15	28	0.586
	18	10.5	28.5	0.671
	6	5	11	0.373
	3	5	8	0.316
	4.5	3.3	7.8	0.294
	4.2	4.5	8.7	0.227
	2.5	5.5	8	0.257
	5	6.5	11.5	0.558
	4.5	8	12.5	0.912
	2.5	3	5.5	0.253

3.5	3	6.5	0.285
8	6.5	14.5	0.376
4.5	5	9.5	0.317
3.5	5.6	9.1	0.284
12	11.5	23.5	0.883
3	3	6	0.335
1	3	4	0.137
7	10	17	0.447
3	3.5	6.5	0.399
5.2	4.5	9.7	0.406
4.5	3.5	8	0.313
5	5	10	0.543
2.75	6	8.75	0.492
8	9.5	17.5	0.496
9	8.3	17.3	0.539
2	3	5	0.243
4	7.5	11.5	0.511
4	6	10	0.476
12	11	23	0.455
14	9	23	0.355
20	12	32	0.78
12	10	22	0.399
9.1	5.7	14.8	0.273
8	7.5	15.5	0.388
5	9	14	0.609
5.5	6.7	12.2	0.626
4	8	12	0.6
4.5	6	10.5	0.381
5	4.5	9.5	0.537
			0
15	12.5	27.5	0.409
8	6.5	14.5	0.475
9	4	13	0.45
14.4	12.5	26.9	0.645
1.725	9.3	11	0.57
0	23.39	23.39	0.508
5	6.5	11.5	0.348
2	6	8	0.544
20	6.6	26.6	0.447
26	21.3	47.3	1.058
19	8.9	27.9	0.567
9.9	7.5	17.4	0.466
4	7.65	11.6	0.566

6	7.5	13.5	0.3
3	6.5	9.5	0.417
10	14.1	24.1	0.578
2.5	4	6.5	0.468
6	5	11	0.372
8	10	18	0.542
26.4	10	36.4	0.457
18	15	33	0.508
20	15	35	0.62
7	18	25	0.733
9	6	15	0.512
9	6.5	15.5	0.404
5	6	11	0.487
12	9	21	0.811
5	5	10	0.541
13	7	20	0.709
10	8.25	18.25	0.548
15	21	36	0.453
4.4	5	9.4	0.415
14	10	24	0.692
0	12.4	12.4	0.502
18	27	45	0.765
7	7.5	14.5	0.681
12	7.75	19.75	0.74
0	19.6	19.6	0.827
5.5	5.5	11	0.48
19	13.2	32.25	0.649
5	6	11	0.615
15	15	30	0.926
3	6	9	0.549
5	4.5	9.5	0.497
16	10	26	0.542
22	19.5	41.5	0.587
6	9	15	0.575
14	9	23	0.35
8	8.5	16.5	0.565
18	7.5	25.5	0.443
18	10.75	28.75	0.488
14	6.5	20.5	0.608
3	10	13	0.565
9	19	28	0.918
9	5.6	14.6	0.523
18	10	28	0.487
14	18.8	32.8	0.696
4.5	4.5	9	0.577

9.5	23	32.5	0.905
29	6.5	35.5	0.86
5	5	10	0.362
11	8.5	19.5	0.648
3.5	4.5	8	0.556
9	7.5	16.5	0.685
19	10.25	29.25	0.463
6	9	15	0.746
6	9	15	0.701
7	7	14	0.619
4	7	11	0.485
43	15	58	0.729
15	16	31	0.937
0	13.7	13.7	0.675
10	10	20	0.725
10	15	25	0.85
0	16.5	16.5	0.673
7.5	8	15.5	0.728
5.2	8	13.2	0.58
30	18	48	0.669
10	15	25	0.749
	6.75	6.75	0.655
9	15	24	0.774
15.3	18.7	34	0.827
13	9	22	0.627
16	9	25	0.801
12	13	25	0.61
20	15	35	0.795
0	10	10	0.595
9	12	21	0.959
0	8.4	8.4	0.522
26	18.8	44.8	0.828
22	21	43	0.705
15	15	30	0.452
8	13	21	0.732
12	15	27	0.657
15	29	44	1.287
15	16.7	31.7	0.651
34	36	70	1.037
20	18	38	0.982
31	27	58	0.879
31	24	55	0.97
5	9	14	0.667
8.4	6	14.4	0.613
25	16	41	0.878

5.5	8	13.5	1.038
7	9	16	0.904
7	7.5	14.5	0.767
22	15	37	0.727
17	18	35	1.215
30	21.4	51.4	1.291
11	9.25	20.25	0.526
3.6	9.2	12.8	0.529
9	5	14	0.387
1.5	0	1.5	0.077

TDD LAI at 18mo	TDD SAI at 18mo	TDD at 18mo	TDD 18mo (U/Kg/Day)	
0		0	0	
4		5	9	
7		9	16	
3		0	3	
7		6	13	0.374
4		4.5	8.5	
7		9	16	0.518
10		10	20	0.415
3.5		7.5	11	
12		12	24	
5.5		9	14.5	0.553
14.2		9.3	23.5	0.567
7		11	18	0.423
11		7.5	18.5	
4		8	12	
4.5		9	13.5	
18		16	34	0.823
9		7.5	16.5	0.284
6		8.2	14.2	0.371
6.5		6	12.5	
1.5		10	11.5	0.268
5		4.3	9.3	0.174
9		10	19	0.5
8		10	18	0.706
16.5		16.7	33.2	0.624
5		9	14	
5		9	14	0.357
4.3		1.3	5.6	0.196
2.5		6	8	
5.5		13.3	18.8	0.408
2		5	7	
2.5		4.5	7	
			0	
8.5		10	18.5	
			0	
14		18	32	0.657
8		7.75	15.75	0.503
8		8	16	
6		4.9	10.9	0.405
4.8		5.1	9.9	0.253
5		8.5	13.5	
8		8	16	
4		9	13	
7		5	12	

12	9.5	21.5	0.483
7	9	16	0.485
0	23.57	23.57	
3	5	8	
1	6	7	
9	12.5	21.5	0.546
2.5	4.5	7	
5.35	5.9	11.25	0.45
4	8.5	12.5	
12	15	27	0.696
10	7.5	17.5	0.518
4	7.5	11.5	0.528
4.5	7.5	12	
5	6	11	
18	10	28	
16	10	26	0.38
18	6	24	0.472
17	25	42	0.713
13	6.7	19.7	0.334
10	10	20	
7	6	13	0.56
8.55	8.8	17.35	0.787
	3	8	
5	3	8	
20	12.5	32.5	0.5
10	10	20	0.599
10.5	4	14.5	
18.4	9	27.4	0.62
3.8	13	16.8	0.816
0	39.42	39.42	
10	11	21	
24	24	48	0.95
		49.2	0.921
15.6	10	25.6	0.629
5.5	9.7	15.2	0.69



3.5	7	10.5	0.449
12	17.3	29.3	0.668
2.5	5.5	8	
5	3	8	
21	15	36	0.519
32	16.1	48.1	0.818
10	19	29	
16	7	23	
6	7	13	
12	9	21	
7	5	12	
12	9	21	
9.12	8.25	17.37	0.498
22	21	43	0.517
7.2	6	13.2	0.543
14.6	9.3	23.9	0.632
0	19.6	19.6	
10	6	16	
19	9	28	
0	19.5	19.5	
0	13.2	13.2	
6	6.5	12.5	
16	13.25	29.25	0.853
5	6	11	
7	4.5	11.5	
44	7.1	51.5	0.972
31	19.5	50.5	0.664
6	9	15	
9	16	25	0.828
5.9	9.9	15.8	0.635
11	16	27	
13.8	9	22.8	0.752
25	20.6	45.6	0.905
6	9	15	

10	23.5	33.5	
7	6	13	0.435
15	16	31	
3	4.5	7.5	
9	7	16	
8	9	17	
7.5	8	15.5	
6	8	14	
50	20	70	0.841
17	18	35	0.884
0	18.5	18.5	
12	10	22	0.746
8.3	21	29.3	0.939
0	17.45	17.45	
8	9	17	
6.95	7.585	14.5	0.55
47	30	77	0.917
0	10	10	
13	10	23	
21.6	18.7	40.3	0.856
18	10	28	
20	8.5	28.5	
13	20.5	33.5	0.779
20	15	35	0.792
0	12.3	12.3	
13	10	23	
0	8.1	8.1	
28	23.1	51.1	0.836
0	7	7	0.118
15	15	30	0.487
8	19	27	0.877
15	18	33	
19	32	51	
14	15	29	0.792
24	21.4	45.4	0.887
20	17.9	37.9	0.894
32	25	57	0.824
35	33	68	1.141
9	15	24	
7.6	6.5	14.1	0.613
23	25.5	48.5	1.013

5.5	6	11.5	
7	9	16	
9	12.5	21.5	
33	30	63	1.125
17	16.5	32.5	
27	15	42	1.017
14	10	24	0.578
5.25	8.75	14	0.56
0	20	20	
1.5	6	7.5	

TDD LAI at 24mo	TDD SAI 24mo	TDD at 24 mo	TDD at 24mo (U/Kg/Day)	
	1	7	8	0.146
	9	12	21	0.724
4.5	3	7.5		0.295
8	6	14		0.376
4.5	5.5	10		0.439
7	6	13		0.418
8	10	18		0.382
5	9	14		0.53
18	26	44		0.938
7	7.5	14.5		0.529
17.3	9.3	26.6		0.571
14	27	41		0.806
12	8	20		0.599
5	10	15		0.432
0	14.85	14.85		0.758
25	15	40		0.905
12	12.5	24.5		0.39
15	14.5	29.5		0.714
10	7	17		0.474
	6	21.4	27.4	0.619
	6	4.3	10.3	0.191
	12	9.25	21.25	0.527
	9	10	19	0.709
	33	30.75	63.75	1.049
	6.5	10	16.5	0.702
	10	12.1	22.1	0.536
	6.6	2.6	9.2	0.31
	4	9	13	0.657
	11.1	12.5	23.6	0.493
	2	10	12	0.577
	3.5	5.1	8.6	0.376
	16	48	64	1.228
	12	8.6	20.6	0.628
	9	9	18	0.584
	10.3	8.8	19.1	0.612
	10.8	6	16.8	0.408
	6.5	10	16.5	0.494
	9	9	18	0.732
	4.25	9	13.25	0.855
	0	14.78	14.78	0.616

16	15.2	31.2	0.554
9	8	17	0.481 0
3	6	9	0.286
12	15	27	0.658
3.5	4.5	8	0.482
5.7	7.2	12.9	0.498
6	9.5	15.5	0.721
16	18.5	34.5	0.804
10.5	8.9	19.4	0.523
7	11.3	18.3	0.745
4.5	10.5	15	0.6
6	6	12	0.494
22	10	32	0.57
26	13	39	0.575
18	6	24	0.493
18	25	43	0.678
14	15	29	0.599
8	15	23	0.821
9.25	6.8	16.05	0.73
5	6	11	0.348
12	6	18	0.571
24	16.1	40.1	0.59
33	13.5	46.5	0.723
14	11.5	25.5	0.689
			0
29.5	10	39.5	0.758
3.46	10	13.46	0.612
0	40.76	40.76	0.721
26	24	50	0.931
27.3	13.3	40.6	0.663
15.6	11.8	27.4	0.642
6	7.4	13.4	0.575

4	13.7	17.7	0.72
17	16.1	33.1	0.732
2.5	6	8.5	0.548
23	16	39	0.546
42	18	60	0.89
15	24	39	0.947
19	8.5	27.5	0.638
0	10.55	10.55	0.411
20	18	38	1.258
9	6.5	15.5	0.695
15	17	32	1.029
12.84	8.25	21.1	0.545
8.5	7	15.5	0.613
19.2	9.3	28.5	0.672
0	20.6	20.6	0.718
22	18.7	40.7	0.651
11	5.5	16.5	0.679
17	15	32	0.982
0	24.7	24.7	0.925
0	14.4	14.4	0.55
15	12.5	27.5	0.772
5.5	6	11.5	0.628
7	6	13	0.634
108	8.3	116.3	1.938
34	26.5	60.5	0.765
9	13.5	22.5	0.801
0	0	0	0
11	16	27	0.828
7.5	11.5	19	0.699
11	16	27	0.778
13	7.5	20.5	0.647

8	6	14	0.452
3	5.25	8.25	0.522
12	8	20	0.735
9	9	18	0.756
7.5	8	15.5	0.635
5	5	10	0.394
19	14	33	0.914
0	16.95	16.95	0.753
12	12.5	24.5	0.848
12.21	28.83	41.04	1.109
10	12.5	22.5	0.922
48	33	81	0.923
5	6	11	0.803
16	17	33	0.919
22.2	18.7	40.9	0.857
			0
17	26	43	0.975
19	21.4	40.4	0.843
0	10.5	10.5	0.55
13	9.5	22.5	0.882
0	8.3	8.3	0.446
30	25	55	0.849
0	12	12	0.204
21	15	36	0.563
10	19	29	0.951
20	27	47	1.04
23	48	71	1.727
26	15	41	1.082
30	18.7	48.7	0.964
18.6	17.9	36.5	0.82
7	12	19	0.751
8.4	7.5	15.9	0.644
28	22.1	50.1	0.942

5.5	6	11.5	0.742
7	9	16	0.851
12	10	22	0.969
20	17.5	37.5	1.23
27	17	44	1.06
15	10	25	0.59
6.8	6.75	13.5	0.496
0	20.5	20.5	0.635
			0



TDD LAI at 30mo	TDD SAI at 30mo	TDD at 30mo	TDD 30 mo (U/Kg/Day)	
	2	4.5	6.5	0.123
5.5		3	8.5	
11		7	18	0.434
5		8	13	
8.5		3	11.5	0.34
10		10	20	0.489
6		9.5	15.5	
22		23	45	
11		15	26	1.3
17.7		14.5	32.2	0.665
20		33	53	0.928
20		7.5	27.5	
9		15	24	
0		13.8	13.8	
14		15	29	0.443
22		26.6	48.6	1.047
10		30	40	0.813
19		10.8	29.8	0.684
11		12.5	23.5	0.836
43		28.9	71.9	1.011
8		8	16	
12		14.4	26.4	0.604
5.9		4	9.9	0.326
7		12	19	
15.3		1.5	30.3	0.602
2.5		10.5	13	
4.5		6.5	11	0.47
26		48	74	1.231
14		10.8	24.8	0.724
11.4		9.55	21	0.66
12		7.5	19.5	0.443
11		13	24	
10		10	20	
4.5		8.5	13	
0		14	14	

30	18	48	0.863
11	12.5	23.5	0.628
14	25	39	0.878
0	11	11	
6.5	8	14.5	0.535
5.5	9.5	15	
17	9	26	0.531
12.9	8.9	21.8	0.556
12	8.75	20.75	0.741
8.5	13.5	22	
22	11	33	
16	6	24	0.49
8	15	23	0.78
9.1	10	19.1	0.78
0	11.45	11.45	
9	7.5	16.5	0.497
15	9.5	24.5	
30	21.4	51.4	0.695
40	30	70	1.061
14	14.25	28.25	0.752
29.5	10	39.5	0.747
4.15	12.97	17.12	0.725
0	58.81	58.81	
27	25.1	52.1	0.949
32	16.1	48.1	0.683
18	12.5	30.5	0.687
6.5	7.4	13.9	0.57

4	8.1	12.1	0.475
28	16.1	44.1	0.863
3	3	6	
42	18	60	0.886
18	24	42	
24	9.5	33.5	
0	13.7	13.7	
15.96	9.75	25.71	0.515
9.4	4.8	14.2	0.536
23.1	11.5	34.6	0.725
0	19.56	19.56	
25	18.7	43.7	0.661
12.5	7	19.5	
19	10	29	
0	27.7	27.7	
0	20.5	20.5	
18	16.1	34.1	0.872
7	7.5	14.5	
8	7	15	
116	12.8	128.8	2.06
34	22.9	56.9	0.669
9	15.5	24.4	
12	20	32	0.872
12	16	28	
15	8.5	23.5	0.728

11	7.5	18.5	0.556
3	7.75	10.75	
16	8	24	
10.5	9	19.5	
5	5	10	
49	23	72	0.774
19	14	33	0.831
0	16.95	16.95	
12	15	27	0.828
0	22	22	
48	33	81	0.888
6	7	13	
18	19	37	
24.9	15.1	40	0.774
18	27.5	45.5	0.946
21	22.5	43.5	0.773
0	13	13	
14	9	23	
0	0	0	0
28	19	47	0.678
26	33	59	
23	34	57	
30	18.7	48.7	1.165
30	21.4	51.4	1.006
23.4	18.1	41.5	0.868
40	36	76	1.145
7	12	19	
8.5	7.5	16	0.618
25	22.1	47.1	0.887

5.5	6	11.5	
7	9	16	
12	11	23	
18	18	36	
22	19.1	41.1	0.928
16	10	26	0.574
8.25	8.75	17	0.612
0	20.1	20.1	

TDD LAI at 36mo	Tdd SAI at 36mo	Absolute TDD at 36mo	TDD 36 mo (U/Kg/Day)
28	33	61	1.117
6	4.5	10.5	0.386
13.2	12.5	25.6	0.549
7.5	6.5	15	0.605
11	9	20	0.554
11	10	21	0.434
8	12	20	0.641
26	23	49	0.864
17	15	32	1.032
17.3	12.5	29.8	0.63
32	42	74	1.144
0	26.5	26.5	0.666
11	14	25	0.641
13.8	25	38.8	0.579
26	36	62	1.26
12	30	42	0.847
27	15	42	0.852
16	15	31	0.975
54	33.75	87.75	1.164
10	9	19	0.704
14	17	31	0.647
7.4	3	10.4	0.33
4	11	15	0.682
9.4	15	24.4	0.474
5	8	13	0.518
34	48	82	1.364
15	10.8	25.8	0.732
10	8	18	0.556
11.4	9.55	21	0.65
13.4	7.5	20.9	0.473
13	10	23	0.833
5	9	14	0.843
0	14.65	14.65	0.57

37	21	58	0.983
14	16.6	30.6	0.785
18	30	48	0.968
0	11.9	11.9	0.692
5.6	15	20.6	0.71
0	12.76	12.76	0.661
7.5	13	20.5	0.865
17	30	47	0.934
13.4	8.9	22.6	0.552
6.9	11.4	18.3	0.631
10	14.5	24.5	0.814
11	15	26	0.813
10.8	14.3	25.1	0.958
0	12.6	12.6	0.488
9.5	7.5	17	0.5
24	10	34	0.921
32	25	57	0.755
41	30	71	1.014
18	11.3	29.3	0.7
			0
31.5	13	44.5	0.781
5.95	10.5	16.45	0.658
30	25.1	55.1	0.95
32.4	16.1	48.5	0.692
15	12.5	27.5	0.581
6.5	6.7	13.2	0.53

4	9.6	13.6	0.521
23	13.5	36.5	0.649
3.5	9	12.5	0.727

25	10	35	0.756
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0	16.2	16.2	0.72
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18	9.75	27.75	0.625
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9.4	6.4	15.8	0.58
23.6	12.5	36.1	0.69
0	24.8	24.8	0.743
26	25	51	0.732
14	8	22	0.78
20	17	37	0.954

0	19.8	19.8	0.611
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19	12.1	31.1	0.732
6	6	12	0.606
10	6	16	0.675
124	19	143	2.333
36	24	60	0.734
9.5	16	25.5	0.777

18	25	43	1.141
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8.7	8.5	17.2	0.606
14	16	30	0.787
15	8.5	23.5	0.66



9.5	10.75	20.25	0.547
18	9	27	0.903
11	11	22	0.791
5	5	10	0.369
20	21	41	1.01
0	16.9	16.9	0.673
15	15	30	0.867
0	24.7	24.7	0.943
53	33	86	0.861
8	8	16	1.026
18	19	37	0.808
28.8	19	47.8	0.787
20	30.5	50.5	0.883
16.35	19.5	35.85	0.736
0	0	17.2	0.804
12	6	18	0.652
0	0	0	0
31	25	56	0.733
34	25	59	1.317
24	18.1	42.1	0.85
44	36	80	1.17
8	12	20	0.781
9	7.5	16.5	0.611
25	20.6	45.6	0.813

5.5	8	13.5	0.78
12	9.5	21.5	0.888
20	17	37	1.131
16.1	24.4	40.5	0.9
18	15	33	0.689
9.05	6.5	15.6	0.534
0	23.4	23.4	0.67

Status by TDD in (Units/kg/day)	TimeIN	TimeOUT
1	1	36
1	1	18
0	12	12
1	12	24
1	12	36
1	1	18
1	6	12
1	1	18
1	6	12
1	1	24
1	6	12
1	6	18
1	6	18
1	1	18
1	1	12
1	1	12
1	1	12
1	6	12
1	6	24
1	6	18
0	24	24
1	1	12
1	6	24
1	6	24
1	6	12
1	6	12
1	6	12
1	1	12
1	6	12
1	6	24
1	1	12
1	6	18
0	24	24
1	6	12
1	1	12
1	6	12
1	1	12
1	6	12
1	6	12
1	6	12
1	1	12
1	1	24
1	6	24
1	6	12
1	6	12
1	1	12
1	1	24
1	6	24
1	6	12
1	6	12

1	6	12
1	6	12
1	6	12
1	6	18
1	6	12
1	6	12
1	1	12
1	1	30
1	6	12
1	1	12
1	6	12
1	6	12
1	1	12
1	6	12
1	6	12
1	6	12
1	6	18
1	6	12
1	1	12
0	24	24
0	24	24
0	30	30
0	6	6
0	24	24
1	12	18
0	24	24
1	1	6
1	1	6
1	1	6
0	36	36
1	1	6
1	1	6
0	36	36
0	36	36
0	36	36
0	12	12
0	36	36
0	36	36
0	24	24
0	12	12
0	12	12
0	6	6
0	12	12
0	36	36
0	36	36
0	36	36
0	36	36
0	36	36

1	12	15
0	36	36
0	36	36
0	36	36
0	12	12
0	12	12
0	12	12
0	36	36
0	36	36
0	24	24
0	12	12
0	36	36
0	24	24
1	1	6
0	24	24
0	36	36
0	36	36
0	6	6
0	36	36
0	18	18
0	36	36
0	36	36
0	36	36
0	36	36
0	36	36
0	36	36
0	36	36
0	24	24
0	36	36
0	6	6
0	24	24
0	12	12
0	36	36
0	36	36
1	6	12
0	36	36
0	36	36
0	36	36
0	12	12
1	36	36
0	6	6
0	12	12
0	12	12
0	36	36
0	36	36
0	36	36
0	12	12
0	18	18
0	12	12

0	12	12
0	12	12
0	36	36
1	1	6
0	24	24
1	1	6
0	12	12
1	1	6
0	36	36
0	24	24
0	36	36
0	6	6
0	30	30
0	36	36
0	36	36
0	36	36
0	24	24
0	12	12
0	36	36
0	36	36
0	36	36
0	12	12
0	36	36
0	36	36
0	36	36
1	1	12
0	12	12
0	36	36
0	36	36
0	36	36
0	6	6
0	36	36
0	12	12
0	24	24
1	18	24
0	36	36
0	24	24
0	12	12
0	24	24
0	36	36
0	30	30
0	12	12
0	36	36
0	18	18
0	36	36
0	36	36
0	36	36
0	36	36

0	36	36
1	1	12
0	36	36
0	18	18
0	36	36
0	36	36
0	36	36
0	36	36
0	36	36
0	36	36
0	0	0
0	12	12
0	36	36
1	12	24

<i>DurationHM</i>	<b>A1c values</b>	<b>A1c at 0mo</b>	<b>A1c (3mo)</b>	<b>A1c (6mo)</b>	
	35		12	8.8	5.5
	17		6.4	5.8	6
	0		12	5.6	6.5
	12		6.3	6.3	7.1
	24		12.6	8.9	9.5
	17		6.5	7.5	9
	6		9.4	8.5	
	17		11.2		6.9
	6		10.4	6.2	7.5
	23		6.1	6.6	6.5
	6		11.4	7.8	7.2
	12		15	8.1	8.5
	12		10.8	7.1	7.3
	17		9.5	7.4	8.1
	11		6.4	7	8.3
	11		11.8	7.4	8.1
	11		9.3	8.2	8.1
	6		10.4	7.7	6.7
	18		9.1	6.6	6.9
	12		15		10
	0		15	8.9	7.5
	11		9.9		6.8
	18		13.3		6.2
	18		13.4	6.5	6.8
	6		10.2	7	7.7
	6		9.2	6.3	6.9
	6		13.5	7	6.9
	11		10.5	7.9	7
	6		13.3	8.7	8.5
	18		11.6	6.5	
	11		9	7.1	7.1
	12		13.4	6.6	6.8
	0		12.4	8.6	9.1
	6		12.8	8.8	8.6
	11		12.5	8.3	7.5
	6		9.4	7.1	
	11		14.5	14	10.4
	6		13.4	6.8	6.8
	6		12.4	6.9	7.5
	6		12.4	6.3	7.5
	6		10.8	8	9.4
	11		7.9	7.4	8.4
	23		8.2	6	6.5
	18		12.2		7.8
	6		10.6	6.7	6.5
	6		10.7	8.2	7.6
	18		12.2	7.8	9.1



6	10.7	8	7.9
6	13.2	6.8	7.9
6	8.5	6.2	7.1
12	13	9.5	7.6
6	11.1	8	7.8
6	9.3	9.5	9.4
11	8.7	7.8	8.6
29	10.6	7.1	
6	15	8.2	9.6
11	9.2	7.8	8.1
6	9.6	7.8	8.1
6	9.5	9.7	8.9
11	9		9.1
6	10.1	9.2	8.5
6	12.9	8.3	7.4
6	9.3	9.3	9.1
6	12	8.4	9.7
12	12.8	8	7.2
6	11.5	8.8	10.8
11	11.9	9.6	8.9
0	13.5	6.8	7
0	11.5	7.8	7.5
0	14.6	7.9	14
0	8.4	7.6	7.3
0	15	7.9	6.5
6	8.2	7.8	5.9
0	15		6.7
5	12.3	7	7.8
5	10.2	7.3	6.9
5	12.3	7.7	8.4
0	12.4	8.8	6.3
5	10	9.9	10.2
5	11.7	8.4	
0	9.2	7.1	7.1
0	9.7	5.6	7.7
0	11	7.4	9
0	6.7		7.3
0	14.1	7.1	6.6
0	12.6	8.5	7.9
0	15		9.7
0	14.7	8	5.6
0	7.9	8	8
0	15	6.5	8.1
0	14.1	6.2	6.3
0	7.2	8	9.3
0	14.4	9.9	8.5
0	9.7		7.6
0	9.1		8.1

3	13.7	6.1	5.3
0	8	8.6	7.5
0	13.8	8.8	7.3
0	10.2	9.4	
0	10.4	7.7	6.6
0	12.2	8.8	7.8
0	11.3	6	6.1
0	10.9	7.3	6.9
0	11.9	8.8	7.6
0	14.6	7.9	7.5
0	11.8	9.1	8
0	11.3	7.7	8
0	15	10.1	9.6
5	9.8	9.2	8.5
0	11.9	9	8.7
0	10.8	8.4	8.9
0	10.4		9.2
0	11.9	8.3	6.9
0	13	9	8.2
0	10.4	6.1	14
0	9.2	7.9	9
0	8.6	10.1	9.1
0	12.4	7.2	
0	10.4	7.5	7.7
0	11.4	7.6	9.2
0	9.3	6.7	8.1
0	11.6	10.2	8.3
0	10.9	8.2	9.1
0	13.2	10.8	9.6
0	14.4		7.4
0	9.4	9.7	8.5
0	13.2	8.1	7.6
0	8.8	8.9	8.2
6	9.3	7.6	7.8
0	15	8.6	8.4
0	14.9	9.9	9
0	10	7.9	8.8
0	13.4	10.7	5.7
0	12.6		8.9
0	14.1	7.1	6.3
0	12.3	7.2	6.4
0	11	7.8	8.9
0	11.1	8.1	8.3
0	14.3	7.8	8.4
0	9.6	7.7	7.8
0	14.1	7.1	6.3
0	12.7	5.7	6.6
0	10.1	7.8	9.9

0	11.8	7.2	7.4
0	15.7	9.4	7.6
0	11.2	8.5	6.6
5	8.9	8.2	8.6
0	12.6		
5	9		9.2
0	15.5	8	7.5
5	11.5	9.9	9.9
0	10.9	9.6	9.2
0	9.4	6.7	8.3
0	9.4	9.8	9.4
0	13.4	8.2	8
0	9.5	6.5	7.4
0	10.4		13.4
0	11.6	8.9	8.2
0	14.4	9.1	8.8
0	13.5	9.9	8.5
0	10.6	7.2	7.5
0	8		9.9
0	10.9	8.5	8.6
0	15	7.5	8.5
0	12.2	9.5	8.2
0	8.3	8.9	9.1
0	12.7	8.9	9.1
0	12.7	9.4	9.2
11	10.1		6
0	13.1	6.4	6.8
0	12.4		6.1
0	11.2	7.7	7.6
0	10.5		8.7
0	14.7	10.4	12
0	10.6		8.4
0	10.9	9.5	6.9
0	14.3	9.4	9.6
6	15	7.5	6.5
0	10.2	6.9	7.4
0	12	9.3	9.4
0	15	8.1	9.1
0	12.5		9.3
0	15	7.6	7.6
0	13.1	6.6	8.4
0	12.7	8.1	8.6
0	9.1	7.8	7.1
0	16.5	9.3	8.5
0	9.7	9.2	14.1
0	12.2	7.8	6.9
0	12.2	8.9	7.8
0	10.3	9.3	9.2

0	9.6	8.1	11.1
11	7.1		
0	12.3		8.8
0	11.5	7.8	6.4
0	17.9	10.9	7.4
0	12.4	9.9	10.2
0	12.6	9.1	7.4
0	9.2	7.9	7.5
0	11.4	9.4	9.4
0	12.3	14.3	14.9
0	9	6.4	
0	12.4	8.9	
12	10.3		

A1c7.5% Code	A1c (9mo)	A1c (12mo)	A1c3m (15mo)	
1			6	5.6
1		7.4	8	8.6
1			9.7	8.4
1		8.4	7.7	9.2
0			9.8	8.6
0		7.2	7.1	9.6
			8	7.5
1		7.9		7.3
0		8.8	10.4	8.4
1		7.5	6.8	7.6
1		8.2	10.1	8.7
0		7.9	9.7	
1		7.6	7.4	
0		8.3	7.9	7.4
0		7.9	7.8	7.8
0			7.9	9.2
0		8.6	8.3	8.3
1		8	8.4	8
1		7.5	8.8	
0			9.6	10
0		8	7.7	7.6
1		7.7	8.4	
1			6	7
1		6.7	7.4	8
0		7.5	7.6	7.7
1		8.6	8.8	
1		8.3	7.7	8.3
1		8.8	8.3	7.3
0		8.2	8.7	8.4
		6.4	7.4	
1		7.3	7.3	8
1		6.9	7.3	
0		8.6	8.4	
0		8.2	8.5	9.1
0		8.5	8.2	8.7
		7.9	7.8	7.8
0		9.9	8.9	9.5
1		7.2	6.9	
0		7.6	7.2	7.2
0		8.3	6.9	8
0			11	9.7
0		8.4	8.3	
1		7.9	8.7	
0		8.1	7.9	7.6
1		9.7	9.1	8.5
0			7.8	7.9
0		9.4	10.6	9.6

0	8.4	8.5	8.6
0	8.9	8.4	9
1	7.8	7.8	
0	7.9	8.7	8.4
0	8.7	7.6	7.4
0	8.9	7.8	7.9
0	8.5		
	7.2	8	7.9
0	9.3	8.3	9.6
0	8.6	8.4	7.6
0	8.5	9.4	8.4
0	8.4	8.8	
0		8.9	
0	8	7.4	7.4
1	8	8.3	
0	9.6	9	9.9
0	8.4	8.1	8.4
1	8.1	8	8.7
0	9.7	8.5	8.5
0	10	10.6	10.7
1	8.8	9.9	9.3
0	8.3	7.9	8
0	10.5	11.6	10.5
1			
1	7.1	6.8	7.1
1		7.1	7.6
1	7	7.5	7.6
0	7.2	7.6	7.4
1	6.6	7.4	6.5
0	8	8	8.2
1	8.2		
0	9.7	8.1	8.6
1	8.1	8	8.3
0			
0	9.3	8.8	8.5
1		8.1	8.4
1	8.9	10	7.7
0	7.4	7.2	8
0	9.2	9.4	9.2
1	6.1	7.6	
0	8.5	7.9	
0			
1	6.7	5.5	
0	8.5	8.6	8.3
0	7.5	7.7	
0	8.6	7.5	9.1
0	9.2	8.2	8.2

1	5.4	6	
0	8	7.8	8.6
1	8.6	7.9	8.2
	9.7	9.2	8.8
1	6.7	6.9	7.8
0	7.8	9.3	8
1	6.9	6.7	
1	6.3	6.5	7.1
0	8.7	10.1	9.2
0		9.6	7.3
0	8.2	8.2	8.2
0		7.7	
0	9.2	9.4	
0			
0	8.8	10	
0	8.9	9.2	9.9
0	8	8.3	
1	8.4		
0	8.5	9	8.3
0		12.7	
0	9	7.9	8
0	9.3	8.3	8.6
	8.7	8.5	
0		8.4	
0	9.5	9.7	8.3
0		9.7	7.9
0	7.7	7.4	6.8
0	8.4	8.9	8.2
0			
1	7.6	7.4	
0	9.4	9.1	9.6
0	8.2	7.7	7.7
0	7.1	8.1	9.5
0	8.6	7.4	8.5
0	8.9	7.8	9.2
0	10	9.2	9.4
0	9.2	9.4	9
1	5.3	5.4	
0		8.9	
1	6.7	6.3	7
1		7.5	7
0		8.1	7.7
0	8.7	8	7.8
0	9.8	8.3	8.9
0		8.4	8.9
1	6.7	6.3	7
1	7.5	7.1	7.8
0	8.6	11.1	10.7

1	8	7.6	
0		9.1	
1	7.1	7.4	8.4
0	8.3	8	7.8
	9.5	9	8.8
0	8.9	8.4	10.2
0	7.1	7.8	
0		8.2	
0		8.9	9
0	8.7	8.4	8.3
0	9.1	8.5	8.4
0	8.4		8.5
1	8.4	8.6	9
0	11.6	10.4	9.9
0		8	8
0		9	
0	9	8.1	7.8
0	6.9	7.9	8.1
0		8.8	8.4
0	8.5	8.5	9
0	7.8	10.2	10.7
0	8	8.6	
0	9.5	10.6	9.3
0	9.9		9.6
0	8.8	9.4	8.5
1	7.8	8.6	9.1
1	7.8	7.8	7.9
1	7.5	9.7	8.8
0		8.3	
0	7.6	8.1	7.6
0	12.5		
0			10
1		7.2	7.1
0	9.6	9	8.2
1	6.8	6.8	
1	7.7	8	8.5
0	9.3	8.9	
0	9	10.3	10.9
0	9.4	8.8	9.7
0	9.2		
0	7.3	7.3	7.3
0		9	8.4
1	8.4	8.3	
0		7.9	
0	10.6	8.9	11.9
1	7.5	8.2	8.8
0	8.4	8.6	8.6
0		9.4	



0	11	8.8	9.7
		9.7	10.4
0	9.6	10.3	
1	7.5	8.9	7.1
1	7.1		
0		9.7	10
1	6	7.5	7.2
0	7.3	7.2	
0	9.9	9.4	9.2
0			
		8.3	8.9
		8.5	9
	6.1	6	6.7

A1c 6m (18 mo)	A1c (21 mo)	A1c (24 mo)	
	5.8		7.9
	9		9
	10		10.3
	9.2	8.4	8.8
	8.2	8.4	9.7
	7.4		7.5
	8.5	8.1	9.3
	8	8.6	8.8
	9.8	9.4	9.9
	9.4		8.7
	8.8		7.5
	9.5	9.1	8
	8.3	7.7	7.8
	9.7		11.2
	7.9	7.1	7.3
	8.5	8.6	10.4
	8.9	9.2	9.6
	8.7	9.4	8.6
	8.7	8.1	8.3
	7.3		8.7
		9.4	11.3
	8.2	7.9	8.2
	9		9.6
	7.4	7.7	7.7
	8.7		8.7
	8.7	9.2	8.3
	7.1	7.2	8.3
	8.7	10	9.4
	7.3	6.9	7.5
	7.9	8.3	9
		9.1	9.3
	8.4		
	8.1	7.3	
	7.7	8.7	9.1
	7.4		
	8.6	9.7	9.8
	9.1		8.8
	8.8	9.4	8.5
	11.1		9.7
		7.7	8.3
	9.5	9.3	10.2
	7.9		8.8
	9.9	10.5	10.5

8.9	8.7	8.1
9		9.6
7.2		
7.6	8.6	9.8
8.8	9.9	9.3
7	8.1	8.6
9.2	8.2	8.5
		9.5
7.4	7.5	7
9.3	9.3	9.3
8.1	8.1	8.7
8.4	8.6	8
10.2	10.5	10.6
9.8		10.1
7.7	8.3	9.6
7.5	9.1	8.5
6.9	7.4	7.9
7.4	7	7.5
7.4	7	
8.5		10.3
8.3	8	7.7
6.8	6.5	7.1
8.3	8.5	
		9.1
8.5	8.6	9.2
9.3		10.2
8.5	8.7	8.1
		8.1
8.9		8.7
8.5		8.3
7.9	8.7	7.7
6.9	6.9	7.2
8.8		9.1
6.9		
8.7		9
8	8	8.4
8.3		8.3
8.7	8.7	8.3

7.7		6.7
7.7	8.5	8
9.2	9.8	10.2
7.1	7.2	8.6
10.7	13	9.5
8.2	9.1	8.4
8		7.6
9.8	9.6	9.7
9.4	8.5	9.3
9.1	9.4	8.6
8.4	8	7.9
8.4		
7.7	8.6	8.1
12.6		
7.8		7.6
8	8.4	8.2
8.4	7.7	8.1
	8.8	8.8
8.3	10.1	8.5
7.7	7.9	
7.1		7.5
8.3	8	8.1
9.1		
7.6	7.4	7.6
8.6	8.4	8.2
9.1		10.2
7.4	8.4	10.2
9.6		9.4
9.6		10.5
		6.3
9.3	8.2	8
7.7	7.3	7.6
8.1	8.4	7.8
8.7		8.5
7.7		
8.6	9.9	

6.8	7.7	
7.8	7.6	8
8.1	7	
8.5		9.1
9.3	9.1	
8.5	8.7	8.6
7.8		8.9
8.3		7.9
9.3	8.6	
11.4	11.6	10.9
8.3	8.3	7.6
10		9.2
8.1	8.3	8.6
7.7		
8.3	10.2	8.2
7.9		
10.3		8.3
9.8	8.3	9.5
9.6	10.6	10.3
8.7	8.4	8.3
9.5	9	
8.5		
8.6		8.8
7.9		9
7.4	7.3	8
14.9		
9	9.1	8.9
7.1		6.8
7.7		8.4
5.9		5.3
9.2	9.7	9.1
9.2		9.7
	10.7	12.1
9.2		8.3
8.7	9	9
8	7.5	7.9
8.1	8.9	8.5
7.8		
12.4	11.9	
9.5		9
9.3		8.4
8.7	8.5	8.8

9.2	9.5	8.9
8.4		9.4
9.5	8.7	8.9
7.4	8	
10.4	9.8	9.9
7.1	7.9	7.4
7.7		7.9
9.1	10	9.1
7.9	8.5	8.6
8.6	8.9	8.1

A1c (27 mo)	A1c (30 mo)	A1c (33 mo)	A1c (36mo)
	6.9	8.3	12.4
	9		
		9.6	9.1
	8.4	8.9	9.3
	9.1	8.4	8.8
		8.9	8.8
	8.4	9.7	9.4
		8.1	9.1
	9.1	9.1	
		9.3	9.2
		7.2	10
	9.5	9.7	7.4
	8.4		7.9
	9.8		9.3
	8.2	9.1	9.2
		7.7	9.1
	9.7	9.3	9.6
	11	8.8	8.5
			9.3
		7.6	6.3
	7.3	7.7	8
		9.4	8.2
	6.8	7	8.1
		9.4	7.4
	8	8.1	8.7
	7.4	8	7.9
	9.5	9	7.6
		7.8	7.9
		8.4	6.8
	9.2	9.9	9.4
			9.2
	8.1	7.5	8.9
			8.8
	9.4	9.9	10
			9.2
	8.4	8.4	9.5
		9	8.8
	8		
	9.5	9.8	8.9
	8.3	8.1	7.5
	9.4	9.9	9.6

8	7.9	7.9	8
8.6	8.1	8	7.5
	9.7	9.9	10.9
8.4	8		8.2
9.7	10	8.6	9.2
7.4	6.9	6.3	6.7
7.9	9.1		8
	8.7	8.1	8.7
8.1	7.8	8.1	8.2
8.7	7.9	8.8	8.6
	9.6		
7.9	7.2		
7.3			
8.1	8.6	8.2	7.8
6.5	6.9	6.9	6
9.2		9.6	8.6
8.5	8.7	9	8.9
9.2			
8.3	7.4	9.3	8.8
8.5	8.1		8.3
8.6	10.2	9.2	9.1
9.3	7.7	8.3	8.4
	8.4		8.1
	9	8.5	8.3
7.5	7.2	7.5	7.7
	9.7		
9.4	11		10.3
8.8	8		9
	8.3		10.3
9.3	8.2	8.1	9.6



7.1	7.1		6.9
8.2	7.1	7.8	6.7
9.7	9.8	9.8	10.3

	11.6		
9.7	8.4		
	7.7		7.9

9.1	8.8	8.1	7.8
7.7			

7.9	8.1	8.3	8.3
-----	-----	-----	-----

8.1	7.8	8.1	7.6
9	7.7	7.7	7.6
8.1	7.9	7.6	7.9
8.4	9.2	9.2	8.9
8.4	8.4	9.5	11
9.5	8.6		8.2
7.7	7.2		
7.7	8.3	8.4	

7.4	7.7	7.2	8.5
8.2	9.5	8.5	8.9
	10.8	9.8	11.3
	11.2	8.3	8.5
	8.6		8.6

9.2	8.1		7.9
-----	-----	--	-----

	7.3	8.1	7.8
	7.8	7.8	7.6
	8.4		8.6

8.7	8.1	7.7	7.7
8.4		10	9.5
8.5	8.6	9	8.6
8.1			
7.9	8.1		8.5
9.8	9.2	10.1	
9.9	11.3	11.2	9.5
0	7.9	7	7.4
9.8	10.8		10.2
	8.6		9.9
	8.6	8.1	7.7
8.8	9.9	10.3	11.1
9.7		10.1	10
7.8	8.1	9.1	8.8
8.2	10.7	9.8	8.6
8.3	8.1	7.8	8.6
7	8	8.6	7.8
9.6		8.6	9.8
7.2	7		
	5.5		6
9.6	9	9.1	8.7
9.6	10.2	9.5	
7.9	8.9		
10.2	9.5	8.5	9.2
8.9	8.9	9.4	
8.3	8.5	7.4	8.2
13.2	10.7	14	10.6
	8.6		8.9
8.1	9.1	8.9	10
7.5	7.7		7.8

8	8.6	8.9	9.8
8.4	10	9	9
10.9	9.4	9.7	8.3
	8	6.6	7.1
8.4	8.4	8.2	8.7
9	8.9		
8			7.8
8.5			

IDAA1C (0 ) mo	IDAA1C 6 mo	StatusIDAA1c6mo	IDAA1C 12mo	IDAA1C 18 mo
12.516	5.5	1	6.584	5.8
6.568	6	1	8.864	
15.208	6.5	1	9.7	
6.3	7.1	1	8.892	
14.684	9.5	0	9.888	
6.532	9.2	0	8.604	10.696
11.344			9.24	
11.836	7.2	1		9.472
12.992	7.808	1	11.928	10.16
6.408	6.812	1	7.88	
14.628	7.56	1	11.544	
	8.9	1	11.816	11.612
12.028	7.704	1	9.684	11.068
10.568	8.512	1	11.124	11.192
6.668	8.764	1	9.58	
12.872	8.576	1	9.48	
9.86	8.612	1	10.404	
12.88	7.22	1	12.02	11.792
10.312	7.42	1	10.36	10.036
	10.62	0	12.456	10.184
	8.128	1	8.956	
11.02	7.48	1	8.4	
14.964	6.896	1	8.476	8.372
15.704	7.5	1	8.164	
11.744	8.408	1	9.708	10.2
10.656	7.632	1	11.636	11.824
17.364	7.632	1	11.896	9.896
11.56	7.736	1	10.928	
15.54	9.236	0	10.844	10.128
12.98			8.64	7.884
9.976	7.856	1	9.472	
15.396	7.564	1	9.272	8.932
15.36	9.896	0	9.996	
14.68	9.4	0	10.004	
13.692	8.304	1	9.876	
11.9			9.068	
15.62	11.216	0	9.992	
15.228	7.632	1	11.812	10.328
14.42	8.332	1	9.884	
15.852	8.336	1	9.412	10.612
12.324	10.244	0	12.264	
8.072	9.256	0	10.748	10.42
9.332	7.368	1	10.332	12.112
13.84	8.676	1	8.928	
12.028	7.388	1	11.332	
	8.488	1	11.448	
16.8	9.996	0	11.612	

12.168	8.8	1	8.5	
15.156	8.828	1	10.616	10.832
10.04	8.036	1	9.068	
15.096	8.536	1	10.624	10.94
14.64	8.744	1	11.132	
10.876	10.344	0	9.14	
9.648	9.568	0		
12.344	9.72	0	8.548	
	10.632	0	10.932	10.984
9.932	9.16	0	9.996	
11.14	9.176	0	11.392	11
11.356	9.976	0	10.052	
9.992	10.192	0	11.072	
11.62	9.616	0	9.368	
15.152	8.524	1		
9.724	10.252	0	12.216	12.084
13.236	10.852	0	10.192	10.172
14.42	8.368	1	10.98	10.512
13.416	11.996	0	10.544	
12.452	10.1	0	12.504	
17.308	8.204	1	11.72	
13.54	8.712	1	10.2	9.02
17.456	15.228	0	13.572	8.788
10.78	8.54	1		
	7.744	1	9.512	10.252
10.068	7.168	1	7.1	8.736
	7.972	1	9.052	
13.108	9.072	0	10.884	10.54
11.4	8.196	1	10.32	9.948
13.232	9.696	0	10.4	
14.4	7.612	1		
10.652	11.54	0	10.248	
12.564				
11.392	8.452	1	10.36	10.5
12.064	9.08	0		
12.556	10.384	0	11.556	11.296
8.772	8.688	1	9.9	
17.848	8	1	13.032	10.38
16.172	9.3	0	9.648	10.164
	11.1	0	11.432	
16.624	7.016	1	8.992	
8.536	9.42	0	10.076	
	9.528	0		
16.64	7.744	1	5.5	
7.2	10.756	0	12.324	12.5
16.308	9.992	0	10.352	11.684
11.656	9.112	0	10.068	10.816
11.02	9.612	0	10.5	11.46

17.376	6.816	1	6	
9.844	9.044	0	10.68	9.496
15.448	8.88	1	10.828	10.372
12.068			11.072	
12.956	8.196	1	8.388	
15.264	9.416	0	11.468	
12.648	7.756	1	6.7	
12.256	8.568	1	8.684	9.176
13.836	9.284	0	13.66	13.972
19.52	9.208	0	12.532	
15.036	9.74	0	10.248	
12.792	9.74	0	9.316	
	11.364	0	11.348	
10.508	10.268	0		
13.568	10.476	0	13.244	
12.728	10.676	0	11.364	
12.888	10.976	0	11.136	
13.428	8.688	1		
15.808	9.988	0	11.18	9.692
12.668	15.816	0	12.7	14.668
10.572	10.82	0	10.352	9.972
10.376	10.92	0	10.988	10.528
14.632			10.508	
12.74	9.524	0	11.004	
14.38	11.036	0	12.424	
12.3	9.944	0	12.66	
13.772	10.144	0	10.708	
13.48	10.948	0	10.82	
14.636	11.468	0		
16.836	9.272	0	7.4	
10.8	10.376	0	11.56	
14.712	9.508	0	10.788	11.012
10.008	10.112	0	10.296	
10.8	9.72	0	9.388	
	10.32	0	15.552	11.288
17.556	10.936	0	12.26	12.256
12.74	10.752	0	11.7	
15.704	7.672	1	5.4	
14.908	10.9	0	12.212	12.612
17.2	8.308	1	6.3	
14.56	8.42	1	7.5	
12.284	10.92	0	10.532	
14.56	10.328	0	10.796	10.24
18.368	10.428	0	11.972	
11.42	9.892	0	10.988	11.708
17.832	8.444	1	8.248	
15.82	8.792	1	7.1	11.32
11.432	12.124	0	13.408	

14.264	9.64	0	11.22	
19.532	9.84	0	12.54	
13.056	8.848	1	9.208	9.54
9.92	10.86	0	10.592	
15.12			11.224	
10.172	11.476	0	11.14	
18.652	9.792	0	7.8	
12.648	12.192	0	11.184	
12.272	11.512	0	11.704	
11.084	10.624	0	10.876	
11.296	11.732	0	10.44	
15.076	10.34	0		
11.732	9.916	0	8.6	12.664
12.116	15.924	0	14.056	14.936
14.016	10.784	0	10.7	
15.84	11.428	0	12.392	12.984
15.568	11.156	0	12.536	11.856
12.316	10.18	0	10.592	
	12.588	0	11.712	
14.964	11.304	0	8.5	10.1
	11.228	0	13.892	13.968
13.916	10.944	0	11.596	
9.968	11.852	0	13.22	
15.408	11.852	0		
15.9	12.036	0	12.828	12.124
13.54	8.84	1	11.108	
16.432	9.648	0	11.004	
14.436	8.988	1	13.6	11.716
14	10.492	0	11.672	11.068
12.292	11.608	0	10.48	
17.628	14.936	0		14.9
13.692	11.352	0		
12.9	9.856	0	9.288	
16.788	12.556	0	12.396	11.044
	9.512	0	7.616	6.372
11.764	10.424	0	10.252	11.148
15.268	12.444	0	12.704	12.708
	12.156	0	12.928	
15.832	12.356	0	13.948	
16.68	10.676	0		11.868
15.804	11.6	0	11.156	11.548
16.16	11.804	0	13.148	
11.1	10.368	0	11.58	11.676
19.904	11.824	0	7.9	11.096
12.368	17.56	0	8.9	16.964
16.616	10.46	0	10.868	
13.588	11.424	0	11.176	11.752
13.276	12.84	0	13.168	12.752

12.632	14.752	0	12.952	
7.732			13.316	
16.612	12.684	0	13.368	
14.112	10.592	0	8.9	11.9
20.324	11.788	0		
15.476	15.2	0	14.56	
17.44	12.528	0	11.74	11.168
11	7.5	1	9.56	10.012
14.104	9.4	0	11.384	11.34
15.936	14.9	0		
11.216			9.848	
15.16				
			6.308	



IDAA1C 24 mo	IDAA1C 30 mo	IDAA1C 36 mo	StatusIDAA1c	NonRemission Code
8.484	8.792	16.868	1	0
			1	0
			1	0
11.896			1	0
11.48		10.644	0	1
10.304	10.636	10.596	1	0
11.456		10.82	0	1
9.172	10.26	11.016	1	0
10.828	11.656	10.636	1	0
10.92		10.964	1	0
13.652		12.856	1	0
10.816	14.5	14.128	1	0
9.784	9.86	9.92	1	0
11.224	13.412	12.476	1	0
10.196		11.864	1	0
12.928		11.664	1	0
10.332			1	0
14.02			1	0
11.16	11.072	10.816	1	0
11.456	12.988	14.34	0	1
10.196			1	0
			1	0
11.176	10.852	9.688	1	0
12.064			1	0
10.308	10.436	11.608	1	0
12.436	12.744	12	1	0
11.896	11.044	12.056	1	0
11.508		11.516	1	0
10.444	10.516	10.188	0	1
9.54	9.304	8.72	1	0
12.028		11.928	1	0
9.472	10.208	9.996	1	0
11.308			0	1
10.804	11.78	11.472	0	1
			1	0
			0	1
			0	1
14.012	12.424	14.256	1	0
			1	0
12.312	12.796	12.928	1	0
11.136		11.424	0	1
10.948	11.04	12.1	1	0
11.332	10.772	10.692	1	0
10.276			1	0
13.128		12.232	1	0
12.22		10.872	1	0
12.964		11.88	0	1

			1	0
10.316	11.352	11.932	1	0
			1	0
11.524	10.612	10.64	1	0
			1	0
			0	1
			0	1
10.944			1	0
11.932	13.212	14.772	0	1
10.528		10.968	0	1
10.492	12.14	12.04	0	1
			0	1
			0	1
9.884		10.16	0	1
			1	0
12.516	11.224	11.736	0	1
10.792	10.924	10.908	0	1
10.98	10.764	10.724	1	0
13		11.856	0	1
12.076			0	1
11.88			1	0
10.8			1	0
9.872	9.16		1	0
			1	0
10.212			1	0
			0	1
12.696			1	0
10.984	11.72	11.052	0	1
10.02	10.02	9.832	1	0
		10.552	0	1
10.492	10.688	10.9	1	0
			0	1
12.484		12.484	0	1
10.46	10.88	11.32	1	0
10.992	14.444	13.156	0	1
11.456	10.708	11.2	0	1
8.3		8.1	1	0
10.732	11.988	11.424	1	0
9.648	10.1	10.332	0	1
11.984			0	1
			1	0
			0	1
			0	1
			0	1
			1	0
12.724	14.796	14.1	1	0
11.052	10.732	11.768	0	1
10.868	11.048	12.624	0	1
10.6	10.48	11.72	0	1

			1	0
9.58	9	8.984	1	0
10.928	10.552	9.296	1	0
12.392		13.208	0	1
			1	0
			0	1
			1	0
10.784			1	0
13.06	15.144		0	1
12.188			0	1
			0	1
10.152		10.924	0	1
11.344			0	1
			0	1
14.332			0	1
11.38		10.68	0	1
12.016			0	1
			1	0
10.28	10.16	10.8	0	1
			0	1
10.052	9.944	9.92	0	1
10.888	10.6	10.36	0	1
10.972		10.872	0	1
11.404	11.844	11.828	0	1
11.216		14.12	0	1
		12.016	0	1
11.2			0	1
10.3			0	1
			0	1
			1	0
			0	1
10.688	11.188	11.428	0	1
10.712		11.324	0	1
12.736		14	0	1
17.952	19.44	17.832	0	1
12.46	11.276	11.536	0	1
13.704			0	1
6.3			1	0
11.312	11.588	12.464	0	1
			1	0
			1	0
			0	1
10.396	7.3	10.224	1	0
10.912		10.748	0	1
11.088	11.312	11.24	0	1
			1	0
			1	0
			0	1

			0	1
			0	1
9.808	10.324	9.888	1	0
			0	1
11.188			0	1
		13.112	0	1
			1	0
			0	1
11.624		11.764	0	1
11.44			0	1
9.476		9.976	0	1
			0	1
	12.296		1	0
14.556	14.624	13.54	0	1
10.612		10.092	0	1
12.592	14.112	13.668	0	1
13.036			0	1
			0	1
11.888		13.672	0	1
			1	0
11.992	12.152	11.144	0	1
			0	1
12.712		15.204	0	1
13.976		13.232	0	1
11.728	11.196	11.948	0	1
			1	0
			0	1
12.7	14.484	12.132	1	0
12.372	11.192	11.544	0	1
10.2		11.016	0	1
			0	1
12.428		12.408	0	1
8.584			1	0
11.796			0	1
6.116	5.5	6	1	0
11.352	11.712	11.632	0	1
13.504			0	1
16.26			0	1
15.208			0	1
13.328	14.16	14.468	0	1
11.756	12.924		0	1
			0	1
11.78	11.972	11.6	0	1
			1	0
	15.28	15.28	1	0
12.004		12.024	0	1
10.976	11.572	12.444	0	1
12.568	11.248	11.052	0	1

11.868		12.92	0	1
12.804			0	1
12.776		12.552	0	1
			1	0
			0	1
14.82		12.824	0	1
11.64	11.712	10.7	0	1
10.26	10.696	11.456	1	0
11.084	11.348		0	1
			0	1
			0	1
11.14		10.48	0	1
8.1			1	0

PCROutcome	TimeIN	TimeOUT	DurationHMIDAA1C
0	6	36	30
0	6	15	9
0	6	12	6
0	1	24	23
1	36	36	0
0	12	18	6
1	36	36	0
0	6	18	12
0	6	12	6
0	1	24	23
0	6	12	6
0	6	24	18
0	6	12	6
0	6	12	6
0	1	12	11
0	6	12	6
0	6	12	6
0	6	12	6
0	6	12	6
1	36	36	0
0	3	18	15
0	6	18	12
0	6	24	18
0	6	24	18
0	6	12	6
0	6	12	6
0	6	12	6
0	6	12	6
1	36	36	0
0	12	24	12
0	6	12	6
0	6	12	6
1	24	24	0
1	36	36	0
0	6	12	6
1	12	12	0
1	24	24	0
0	6	12	6
0	6	12	6
0	6	12	6
1	36	36	0
0	1	6	5
0	6	12	6
0	6	24	18
0	6	12	6
0	3	12	9
1	36	36	0

0	6	18	12
0	6	12	6
0	6	12	6
0	6	12	6
0	6	12	6
1	12	12	0
1	6	6	0
0	12	24	12
1	36	36	0
1	36	36	0
1	36	36	0
1	12	12	0
1	12	12	0
1	36	36	0
0	6	12	6
1	36	36	0
1	36	36	0
0	6	12	6
1	36	36	0
1	24	24	0
0	6	12	6
0	6	12	6
0	18	24	6
0	6	18	12
0	1.5	12	10.5
1	6	18	12
0	6	12	6
1	36	36	0
0	6	12	6
1	36	36	0
0	6	24	18
1	12	12	0
1	36	36	0
0	6	12	6
1	36	36	0
1	36	36	0
0	6	12	6
0	6	12	6
1	36	36	0
1	24	24	0
0	6	15	9
1	12	12	0
1	6	6	0
0	6	18	12
0	1	6	5
1	36	36	0
1	36	36	0
1	36	36	0

0	6	12	6
0	36	36	0
0	6	12	6
1	36	36	0
0	6	15	9
1	6	6	0
0	6	18	12
0	6	18	12
1	30	30	0
1	24	24	0
1	12	12	0
1	36	36	0
1	24	24	0
1	6	6	0
1	24	24	0
1	36	36	0
1	24	24	0
0	6	12	6
1	36	36	0
1	18	18	0
1	36	36	0
1	36	36	0
1	36	36	0
1	36	36	0
1	36	36	0
1	36	36	0
1	36	36	0
1	36	36	0
1	24	24	0
1	24	24	0
1	6	6	0
0	12	36	24
1	12	12	0
1	36	36	0
1	36	36	0
1	36	36	0
1	36	36	0
1	36	36	0
1	36	36	0
1	24	24	0
0	6	27	21
1	36	36	0
0	6	12	6
0	6	18	12
1	12	12	0
0	30	36	6
1	36	36	0
1	36	36	0
0	6	12	6
0	6	18	12
1	12	12	0



1	12	12	0
1	12	12	0
0	6	12	6
1	12	12	0
1	24	24	0
1	36	36	0
0	12	18	6
1	12	12	0
1	36	36	0
1	24	24	0
1	36	36	0
1	6	6	0
0	12	18	6
1	36	36	0
1	36	36	0
1	36	36	0
1	24	24	0
1	12	12	0
1	36	36	0
0	12	18	6
1	36	36	0
1	12	12	0
1	36	36	0
1	6	6	0
1	36	36	0
0	6	12	6
1	12	12	0
0	6	12	6
1	36	36	0
1	36	36	0
1	18	18	0
1	36	36	0
0	24	36	12
1	24	24	0
0	12	36	24
1	36	36	0
1	24	24	0
1	24	24	0
1	24	24	0
1	24	24	0
1	36	36	0
1	36	36	0
1	12	12	0
1	36	36	0
0	12	18	6
0	12	18	6
1	36	36	0
1	36	36	0
1	36	36	0

1	36	36	0
1	24	24	0
1	36	36	0
0	12	18	6
1	6	6	0
1	36	36	0
1	36	36	0
0	6	12	6
1	30	30	0
1	36	36	0
1	12	12	0
1	36	36	0
0	12	27	15

Duration12	First Yr 25OHD (ng/mL)	First Yr 25OHD (nmol/L)
1	32	79.68
0	13	32.37
0	27	67.23
1	88	219.12
0	24	59.76
0	15	37.35
0	32	79.68
1	26	64.74
0	46	114.54
1	25	62.25
0	26	64.74
1	27	67.23
0		
0	23	57.27
0	22	54.78
0	18	44.82
0		
0	26	64.74
0	21	52.29
0		
1	17	42.33
1	24	59.76
1	20	49.8
1	21	52.29
0	20	49.8
0	22	54.78
0	23	57.27
0		
0	23	57.27
1	42	104.58
0	30	74.7
0	31	77.19
0	32	79.68
0	27	67.23
0		
0		
0	21	52.29
0	20	49.8
0	29	72.21
0	28	69.72
0	29	72.21
0	24	59.76
0	36	89.64
1	20	49.8
0	26	64.74
0		
0	36	89.64

1		
0	23	57.27
0	20	49.8
0	30	74.7
0		
0		
0	41	102.09
1		
0	20	49.8
0	35	87.15
0	32	79.68
0	21	52.29
0		
0	36	89.64
0	37	92.13
0	21	52.29
0	36	89.64
0	31	77.19
0	36	89.64
0	26	64.74
0	18	44.82
0	23	57.27
0	30	74.7
1		
0	43	107.07
1	24	59.76
0	33	82.17
0		
0		
0	23	57.27
1	25	62.25
0	27	67.23
0		
0	17	42.33
0		
0	36	89.64
0	44	109.56
0	27	67.23
0	48	119.52
0	31.3	77.937
0	27	67.23
0		
0		
1		
0	21	52.29
0	31	77.19
0	11	27.39
0	23	57.27

0		
0	40	99.6
0	23	57.27
0	33	82.17
0		
0		
1	21	52.29
1	35	87.15
0	25	62.25
0		
0	41	102.09
0		
0	17	42.33
0		
0	30	74.7
0	25	62.25
0	17	42.33
0	22	54.78
0	28	69.72
0		
0	25	62.25
0	31	77.19
0		
0	20	49.8
0	20	49.8
0	20	49.8
0	40	99.6
0	25	62.25
0		
1	20	49.8
0		
0	28	69.72
0	25	62.25
0	27	67.23
0	20	49.8
0	16.3	40.587
0	25	62.25
1	9	22.41
0	33	82.17
0		
1	29	72.21
0		
0		
0		
0	12	29.88
0		
1	22	54.78
0	41	102.09

0	29	72.21
0	11	27.39
0	27	67.23
0		
0		
0	27	67.23
0	20	49.8
0		
0		
0	30	74.7
0	15	37.35
0	34	84.66
0	24	59.76
0		
0	24	59.76
0	17	42.33
0		
0		
0	29	72.21
0		
0	24	59.76
0	27	67.23
0	21	52.29
0	33	82.17
0	28	69.72
0		
0	21	52.29
0	52	129.48
0	20	49.8
0	34	84.66
0		
0	21	52.29
1	24	59.76
0		
1	7	17.43
0	27	67.23
0	19	47.31
0	23	57.27
0		
0	28	69.72
0	20	49.8
0	31	77.19
0	27	67.23
0		
0		
0	33	82.17
0	41	102.09
0	19	47.31

0	11	27.39
0	25	62.25
0	42	104.58
0	22	54.78
0		
0	25	62.25
0	12	29.88
0	38	94.62
0	29	72.21
0	30	74.7
0		
0	17	42.33
1	38	94.62

VitDCode	for <20 ng/mL	Year 2 25OHD(ng/mL)	Year 3 25OHD(ng/mL)
0		30	35
1			
0			
0			
0		33	36
1		18	16
0		31	27
0		26	21
0		35	
0		61	33
0			24
0		27	23
			24
0		17	23
0		21	
1			16
0			
0			
1		22	
0			
1		17	
0		26	
1			
0		12	32
0		20	
0		29	32
0		44	39
0		30	
0		31	
0		35	
0			39
0			
1		27	23
0			
0		28	21
0		24	
0			
0		45	33
1		30	
0		26	25.6
0			
0		32	26



0		
1		
0		17.9
0		
1	17	22
0		
0	39	
0		22
0	36	42
0	37	
0	25	
0	21	35
0	31	48
0	36	
0	61	
1	26	
0		
0	25	
0		
0	43	
0		
0	32	
0		
0	23	28
0	19	16
0	27	
1		
0		31
0		
0	27	29
0	48	25
0	34	
0		
0	28	25
0	22	28
1	12	16
0	22	25

0	42	
0	31	25
0	33	30
0		
0	35	
0	22	
0		
1	17	
0	44	
0		41
1		
0		20
0		
0	25	20
0		33
1	17	
1	36	
1	31	19
0		30
0	25	25
1		
0	28	27
0	31	32
0	23	21
1	20	28
1	24	25
0	27	39
1	11	
0	33	
0		
1	35	29
0		
0		

0		
1		
0	32	18
0		
0	27	27
1		
0		27
1		
0	34	
0	38	
0		
1	22	19
0		
0	22	
0		
0	28	25
0		
0	28	
0	21	
0	43	28
1	22	
0	14	33
0	22	22
0	24	
1		
0		
0	27	23
1		
0	23	
0		
0	28	
1	23	
0		
0	24	21
0		
0	15	13
0	32	33
1	34	26

1	24	25
0	25	22.27
0	42	37.7
0		
0	39	32
1	12	
0	38	
0	29	22
0		
1	17	24
0	43	

# of Positive Antibodies	Antibodies Code	pH (7.35-7.45)	PhCODE
3	2	7.43	0
2	1		
1	1	7.36	0
2	1		
1	1	7.12	1
1	1	7.37	0
2	1	7.35	0
3	2	7.38	0
4	2	7.38	0
3	2	7.38	0
1	1	7.06	1
1	1	7.51	0
1	1	7.41	0
2	1	7.36	0
3	2		
1	1	7.35	0
3	2	7.3	1
1	1	7.4	0
2	1	7.44	0
1	1	7.38	0
3	2	7.38	0
3	2	7.39	0
3	2	7.39	0
2	1	7.39	0
1	1	7.36	0
1	1	7.36	0
3	2	7.19	1
2	1	7.39	0
2	1	7.54	0
3	2	7.37	0
3	2	7.36	0
1	1	7.39	0
3	2	7.44	0
1	1	7.35	0
3	2	7.46	0
1	1	7.14	1
1	1	6.96	1
2	1	7.41	0
2	1	7.38	0
2	1	7.27	1
4	2	7.37	0
3	2	7.2	1
1	1	7.41	0
1	1	7.49	0
1	1	7.36	0
1	1	7.38	0
2	1	7.41	0

1	1	7.38	0
1	1		
2	1	7.32	1
1	1	7.4	0
4	2	7.16	1
2	1	7.34	1
3	2	7.56	0
1	1	7.41	0
1	1	7.07	1
2	1	7.43	0
3	2	7.41	0
3	2	7.37	0
3	2	7.45	0
3	2	7.37	0
1	1	7.39	0
2	1	7.36	0
2	1	7.23	1
2	1	7.41	0
1	1	7.45	0
2	1		
1	1	7.3	1
2	1	7.37	0
2	1	7.34	1
2	1	7.36	0
1	1	7.26	1
4	2	7.39	0
2	1	7.28	1
2	1	7.38	0
1	1		
1	1	7	1
1	1	7.39	0
4	2	7.39	0
1	1	7.43	0
1	1	7.43	0
3	2	7.37	0
4	2	7.15	1
3	2		
1	1	7.38	0
1	1	7.37	0
2	1	7.37	0
1	1	7.18	1
4	2	7.49	0
1	1	7.35	0
1	1	7.34	1
3	2	7.47	0
1	1	7.23	1
1	1	7.41	0
2	1	7.36	0

3	2	7.21	1
2	1	7.47	0
3	2	7.37	0
2	1	7.11	1
1	1	7.39	0
3	2	6.92	1
2	1	7.4	0
4	2	7.17	1
3	2	7.28	1
2	1	7.17	1
1	1	7.39	0
3	2	7.38	0
4	2	6.93	1
2	1	7.42	0
3	2	7.52	0
2	1	7.36	0
2	1	7.37	0
1	1	7.38	0
2	1	7.21	1
2	1	7.42	0
1	1	7.39	0
3	2	7.41	0
1	1	7.41	0
2	1	7.41	0
1	1	7.17	1
2	1	7.38	0
1	1		
2	1		
2	1	7.36	0
2	1	7.18	1
1	1	7.46	0
3	2	7.45	0
3	2	7.42	0
4	2	7.42	0
1	1	7.23	1
4	2	7.22	1
2	1	7.36	0
1	1	7.29	1
2	1	7.23	1
1	1	7.24	1
1	1	7.38	0
1	1	7.36	0
1	1		
1	1	7.14	1
2	1	7.34	1
1	1	7.24	1
1	1	7.35	0
2	1	7.41	0

2	1	7	1
1	1	7.42	0
2	1	7.36	0
1	1	7.41	0
3	2	7.23	1
2	1	7.36	0
2	1	7.33	1
1	1	7.07	1
3	2	7.37	0
1	1		
3	2	7.39	0
3	2	7.34	1
2	1		
3	2	7.33	1
4	2	6.92	1
4	2	7.1	1
4	2	7.4	0
3	2	7.37	0
2	1	7.48	0
1	1	7.41	0
1	1	7.37	0
4	2	7.32	1
1	1	7.01	1
2	1	6.92	1
2	1	7.4	0
3	2	7.18	1
2	1	7.25	1
3	2	7.25	1
3	2	7.07	1
4	2	7.39	0
1	1	7.4	0
2	1	7.2	1
1	1	7.25	1
3	2	7.32	1
1	1	7.15	1
2	1	7.36	0
4	2	7.04	1
1	1	7.45	0
4	2	7.35	0
3	2	7.43	0
1	1	7.43	0
2	1	7.19	1
3	2	7.38	0
4	2	7.15	1
3	2	7.33	1
1	1	7.46	0
3	2	7.23	1
1	1	6.94	1



4	2	7.22	1
2	1		
3	2	7.24	1
2	1	7.07	1
3	2	7.36	0
3	2	7.23	1
1	1	7.19	1
1	1		
1	1	7.39	0
3	2	7.38	0
4	2	7.42	0
2	1	7.33	1
4	2	7.4	0

HCO3 (23-28 mmol/L)	ln(HCo3)	HCO3 <15 Code
26.2	3.27	0
27.1	3.30	0
6.2	1.82	1
21.7	3.08	0
17.2	2.84	0
24.2	3.19	0
25.9	3.25	0
27.9	3.33	0
14	2.64	1
22.8	3.13	0
24	3.18	0
23.2	3.14	0
25.6	3.24	0
28.5	3.35	0
26.1	3.26	0
25.3	3.23	0
24.1	3.18	0
24.5	3.20	0
21.5	3.07	0
23.5	3.16	0
25.5	3.24	0
23.9	3.17	0
26.2	3.27	0
8.1	2.09	1
24.5	3.20	0
26.8	3.29	0
23.1	3.14	0
24.4	3.19	0
27.4	3.31	0
24.6	3.20	0
18	2.89	0
26.5	3.28	0
8.6	2.15	1
5.2	1.65	1
24.2	3.19	0
22.1	3.10	0
19.1	2.95	0
28.1	3.34	0
14.3	2.66	1
25.1	3.22	0
30.7	3.42	0
25.3	3.23	0
21.4	3.06	0
22.1	3.10	0

23.6	3.16	0
24.2	3.19	0
27.6	3.32	0
11.6	2.45	1
11.4	2.43	1
17.8	2.88	0
19.3	2.96	0
4.5	1.50	1
23.2	3.14	0
24.5	3.20	0
24.5	3.20	0
19.2	2.95	0
27.3	3.31	0
24.4	3.19	0
24.2	3.19	0
9.5	2.25	1
23.6	3.16	0
32.4	3.48	0
15.4	2.73	0
25.4	3.23	0
21.4	3.06	0
22	3.09	0
15.6	2.75	0
26.7	3.28	0
16	2.77	0
21.1	3.05	0
4.2	1.44	1
22.5	3.11	0
24.2	3.19	0
26	3.26	0
27.2	3.30	0
22.1	3.10	0
5.8	1.76	1
24	3.18	0
21.7	3.08	0
24.5	3.20	0
9.9	2.29	1
23.2	3.14	0
26.6	3.28	0
25.4	3.23	0
26.6	3.28	0
12.7	2.54	1
25.1	3.22	0
28.4	3.35	0

11.8	2.47	1
24.8	3.21	0
24.6	3.20	0
5.2	1.65	1
25.6	3.24	0
5.4	1.69	1
26.8	3.29	0
10.8	2.38	1
10.7	2.37	1
9.4	2.24	1
16.8	2.82	0
28.4	3.35	0
4.4	1.48	1
23.9	3.17	0
42.4	3.75	0
23.2	3.14	0
27.3	3.31	0
23.3	3.15	0
11.2	2.42	1
22	3.09	0
26.2	3.27	0
25.6	3.24	0
24.6	3.20	0
26.3	3.27	0
17.9	2.88	0
28.6	3.35	0
24.3	3.19	0
13	2.56	1
16.9	2.83	0
25.5	3.24	0
24.7	3.21	0
19.6	2.98	0
9.9	2.29	1
13.3	2.59	1
20.4	3.02	0
19	2.94	0
14.5	2.67	1
13	2.56	1
25.5	3.24	0
23.1	3.14	0
5.8	1.76	1
26.8	3.29	0
13	2.56	1
20.5	3.02	0
18.8	2.93	0

3.4	1.22	1
25.8	3.25	0
24.6	3.20	0
22.3	3.10	0
9.5	2.25	1
18.1	2.90	0
27.7	3.32	0
5.8	1.76	1
24.8	3.21	0
22.8	3.13	0
18.5	2.92	0
20.4	3.02	0
2.4	0.88	1
5.4	1.69	1
20.4	3.02	0
16.7	2.82	0
22.9	3.13	0
24.5	3.20	0
25.7	3.25	0
25.3	3.23	0
4.7	1.55	1
3	1.10	1
17	2.83	0
7.6	2.03	1
16.2	2.79	0
15	2.71	0
3.6	1.28	1
20.8	3.03	0
26.1	3.26	0
6.6	1.89	1
16	2.77	0
16.6	2.81	0
10.6	2.36	1
19	2.94	0
8	2.08	1
25.9	3.25	0
15.5	2.74	0
23.4	3.15	0
23.6	3.16	0
9.8	2.28	1
27.1	3.30	0
11.1	2.41	1
21.1	3.05	0
28.8	3.36	0
17.6	2.87	0
3.6	1.28	1

11.4	2.43	1
7	1.95	1
4	1.39	1
18.3	2.91	0
9	2.20	1
10.5	2.35	1
19.6	2.98	0
26.9	3.29	0
24.6	3.20	0
21.5	3.07	0
22.3	3.10	0











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