

Group	Parameters													
	Aldose Reductase (ng/mg lens protein)	Sorbitol (units/g lens weight)	pIκBα (pg/ug lens protein)	NFκB (pg/mg protein)	iNOS (ng/g lens protein)	MDA (μM/g lens weight)	Catalase (μmol/g lens protein)	SOD (units/mg lens protein)	GSH (μmol/g lens weight)	3-NT (ng/mg lens protein)	ATP (pmol/g lens weight)	Na ⁺ K ⁺ ATPase activity (nmol Pi liberated/mg protein/min)	PMCA activity (μmol Pi liberated/mg protein/min)	SERCA activity (μmol Pi liberated/mg protein/min)
N	2.1912	4.2464	2.4745	622.2552	989.7800	896.9156	62.9653	9.8444	5.5421	8.6194	850.5354	3.2218	2.8585	1.1680
N	2.2798	4.6379	3.2504	694.1662	901.3981	954.8105	60.6244	9.2441	4.9838	8.1597	837.0385	2.4562	3.2956	1.3211
N	1.8864	4.7815	3.5378	675.4436	952.0816	917.7741	84.5971	8.9862	5.5836	8.6352	1044.9496	2.6746	3.1490	2.1203
N	1.9459	4.2176	3.1569	815.1200	1011.8126	931.7460	70.8862	9.4015	5.3635	8.7951	884.5004	3.3702	3.6656	1.0644
N	2.5881	4.6181	3.2380	632.3922	779.5538	897.8405	65.4495	9.0138	5.7972	8.6839	852.0639	2.1067	2.7982	1.8298
N	2.2803	4.7233	3.3548	662.6788	954.7450	820.6349	50.3992	9.1498	5.6860	8.8284	937.5866	2.5413	3.2662	2.4323
DV	2.8616	5.8028	3.8661	1575.4917	1117.2938	1042.2932	116.5535	6.8786	2.4952	9.3252	823.4424	2.0180	2.3824	1.3994
DV	3.1989	6.4745	4.2833	1312.1585	1135.5036	1095.9184	151.5145	8.0365	2.3199	10.6683	799.8207	1.2729	2.8120	1.0763
DV	3.2620	6.5470	4.5040	1426.8300	1359.7064	1175.7519	147.9707	6.5711	2.5254	9.5050	786.3904	1.4870	2.9916	1.1996
DV	3.5233	6.7842	3.6379	1618.2637	1140.0622	1195.4365	122.1227	6.4217	2.7476	9.5275	862.8942	1.3187	2.2380	1.5906
DV	2.9458	6.1098	3.6100	1706.6441	1072.5924	1069.4981	107.5179	6.7350	2.6726	9.4702	785.9385	2.7868	2.5573	1.5816
DV	2.8885	5.6562	3.3715	1693.4409	1187.0829	1279.3367	170.8338	8.3472	2.5202	9.9858	766.1785	2.6498	2.6188	1.1264
DT	2.8286	5.6043	3.6795	866.8727	909.8309	960.9635	59.5391	9.7934	2.7954	9.0585	936.7578	2.7172	3.1001	2.0250
DT	2.4671	5.5625	3.0475	928.4775	884.4320	988.9456	86.3037	10.6292	2.8743	8.2924	788.6712	2.8609	3.7275	1.9027
DT	2.6368	5.5281	2.9517	868.7069	983.5257	955.7823	47.420835	8.8786	3.0519	8.4767	903.0221	3.0407	2.8474	1.7419
DT	2.7502	5.0925	3.5308	789.0014	995.3909	974.2525	84.50257	9.7510	3.5119	9.2355	855.7748	2.2995	3.4149	1.4243
DT	2.6896	4.8982	3.6464	905.5971	1052.0660	1010.5519	53.207227	9.8803	3.6627	8.6645	859.7247	2.3437	3.5704	1.5104
DT	2.7618	4.9997	3.2095	716.2488	1056.6498	913.0435	61.655192	9.4827	3.2326	7.9703	839.8591	2.5192	3.4332	1.4366

Group	Calpain (pg/mg lens protein)	Total protein (mg/g lens weight)	Soluble protein (mg/g lens weight)	Insoluble protein (mg/g lens weight)	Soluble: Insolubl e protein (ratio)
N	315.6393	479.3190	305.9653	173.3537	1.7650
N	356.3861	460.4858	319.5935	140.8923	2.2684
N	359.8263	486.6766	289.5130	197.1636	1.4684
N	358.3222	502.0816	346.1946	194.4900	1.7800
N	359.7063	437.7156	307.5916	149.3428	2.0596
N	348.0058	476.3902	288.3728	130.1956	2.2149
DV	385.8401	439.5317	259.1055	228.9214	1.1319
DV	420.9828	424.3661	278.5644	225.8354	1.2335
DV	396.8950	508.6407	286.8102	253.2660	1.1324
DV	390.2426	516.0187	287.0973	180.4262	1.5912
DV	383.1912	510.9830	285.1476	145.8017	1.9557
DV	392.2591	541.8900	288.6239	221.8306	1.3011
DT	344.5403	447.3568	309.5972	137.7596	2.2474
DT	360.4892	505.9502	306.3030	191.5610	1.5990
DT	345.0266	425.8095	314.3891	129.5430	2.4269
DT	369.2331	487.6583	296.2665	164.6654	1.7992
DT	354.9786	452.5783	322.9929	146.2753	2.2081
DT	363.0694	493.5989	320.1280	173.4709	1.8454