

A New Database of the Quantitative Cathodoluminescence of the Main Quarry Marbles Used in Antiquity

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Quantitative CL database of the Main Quarry Marbles used in Antiquity from central and eastern Mediterranean. 454 samples belong to the analytical database published by Attanasio, Brilli and Ogle (2006). Marble from Göktepe correspond to 5 samples published by Attanasio and collaborators (2015) and 14 samples to the database available in Wielgosz-Rondolino and collaborators (2020).

Table S1. Quantitative CL database for 110 samples from the quarries of Carrara (Apuan Alps).

Carrara	District (Quarry Name)	Sample	Extrinsic CL	Intrinsic CL
Torano	Polvaccio	P1-1	1636	1376
		P1-2	1929	1769
		P1-3	5478	4681
		P1-4	2476	2138
		P1-5	1674	1649
		P1-6	2199	2025
		P1-7	3387	3011
		P1-8	1510	1359
		P1-11	2539	2191
		P1-12	1120	1034
		P1-13	2199	1924
		P1-15	2134	1906
		P1-16	3481	3052
		P1-17	2794	2480
		P1-18	2995	2660
		P1-19	1455	1370
		P1-20	2339	2040
	Sponda	TR2	3785	618
		TR3	3160	4639
		TR4	7198	2192
		TR5	2769	3737
		TR6	9936	4149
		TR7	3109	2274
		TR8	4210	1397
		TR9	2544	2397
		TR10	1915	3239
		TR2-7	1521	3092
		TR2-8	3195	1466

Miseglia	Ravaccione	TR2-10	5393	1934
		TR2-12	5521	2416
		R1	1045	1036
		R3	3404	3243
		R4	3991	3426
		R5	5641	4756
	Canalgrande	R7	939	896
		R8	4244	3587
		C1	3744	3748
		C2	1864	1867
		C3	2649	2652
		C5	1989	1992
		C6	7403	7407
		C8	3381	3385
		C9	2310	2313
		C10	2264	2267
		C1-1	4246	4250
		C1-3	5431	5434
		C1-4	4419	4423
		C1-5	5239	5243
		C1-7	7246	7250
		C1-9	2980	2983
		C1-10	5867	5871
		C2-1-1	3916	2865
		C2-3	8708	4136
		C2-4	4151	1653
		C2-5	3773	6685
		C2-6	4967	2221
		C2-7	8628	2337
		C2-8	9325	4541
		C2-9	9021	3637
		C2-10	4611	863
		C2-12	4174	3173
	Fantiscritti	FA1	6138	3739
		FA2	2455	1978
		FA4	3570	3277
		FA7	4200	2099
		FA8	2677	3063
		FA9	4979	4773
		FA10	5273	3439
		FA2-1	2241	3365
		FA2-2	2125	2500
		FA2-3	4210	4254
		FA2-4	4869	4010
		FA2-6	2624	1584
		FA2-8	2676	1591
		FA2-9	3424	4205
		FA2-10	1834	4577
		FA2-12-1	2041	841
		FA2-12-2	2436	773
		FA2-14	7949	3372
		FA2-15	4222	2297
		FA2-20	1430	1299
Colonnata	Fossacava	Fo 1	6795	4653
		Fo 2	6590	4479
		Fo 3	11598	3516
		Fo 5	11811	2339
		Fo 6	2673	3780

Calagio	Fo 7	3159	2010
	Fo 9	2278	1838
	Fo 10	5804	1950
	Fo 11	5130	3562
	C11	8841	3124
	C13	6289	1067
	C15	5453	4390
	C16	8941	4828
Gioia	G1	6408	2360
	G2	6743	2817
	G4	4542	3505
	G5	11367	3335
	G6	5984	3016
	G8	7916	2765
	G9	4950	1428
	G10	3562	3806
	G12	5784	3980
	G13	12475	1979
	G14	8943	2472
	G16	2906	1448
	G17	9757	4719
	G18	4672	4630
	G20	5539	3503
	G22	5760	5620

Table S2. Quantitative CL database for 66 samples from the quarries of Afyon (Docimium, Iscehisar, Turkey).

Afyon	District (Quarry Name)	Sample	Extrinsic CL	Intrinsic CL
	Röder I	D1A	10527	892
		D2A	14832	1371
		D3A	6796	1274
		D4A	13093	1056
		D5A	16979	1527
		D6A	12090	1354
		D7A	6003	1440
		D7B	10885	1495
		D8A	13075	1062
		D9A	7031	1415
		D10A	10785	1893
		D11A	11049	1721
		D12A	16047	903
		D13A	24706	1067
		D14a	45481	1594
		D15A	21897	1235
		D16A	3892	1596
		D17A	14922	1431
		D18A	8180	1452
		D19A	11411	2250
		D20A	26742	1008
		D21A	25171	746
	Röder II	D22A	6600	2321
		D23A	64511	1555
		D24A	36046	1306
		D25A	15570	1771
		D26A	19320	1460
		D27A	21437	1418

	D28A	16772	836
	D29A	25684	1318
	D30A	25853	1115
	D30Bis	53346	901
	D31A	39927	1785
	D32A	20784	1267
	D33A	37685	837
	D34A	32785	974
	D35A	20575	1005
	D37A	35568	682
Röder V	D38A	41097	739
	D39A	47523	1470
	D40A	33328	995
	D41A	32375	1160
	D42A	24738	1147
	D43A	52459	1613
	D44A	39869	1358
	D45A	21066	1598
	D46A	45456	966
	D47A	31735	1544
	D48A	25615	1531
	D49A	16754	1499
	D50A	16250	1419
Röder III/IV	D59A	16499	1078
	D60A	8389	1494
	D61A	14707	852
	D62A	11080	1690
	D63A	11175	1490
	D64A	5871	1362
	D65A	5539	987
	D66A	8570	1352
	D67A	13739	1109
	D68A	2932	1248
	D69A	864	849
	D70A	4500	1521
	D71A	3767	1708
	D72A	2921	2299
	D73A	2299	2236

Table S3. Quantitative CL database for 19 samples from the quarries of Göktepe (Muğla, Turkey).

Göktepe	District Quarry Name (Date)	Sample	Extrinsic CL	Intrinsic CL
Black	1D (2-1-2006)	G1_1D	4765	2215
White	4B (11-3-2011)	G2_4B	1919	1924
White	4C (11-2-2011)	G3_4C	5276	2757
White	3C (11-4-2011)	G5_3C	3902	1919
Grey	3D (11-6-2011)	G6_3D	5504	1910
Black	1d	Go1d1	620	979
Grey		Go1d3	353	1627
Black	2b	Go2b3	729	848
Grey	2d	Go2d1	631	1000
White		Go2d2	605	1613
	3a	Go3a1	863	2531
	3b	Go3b2	1021	2695
	3c	Go3c4	1447	1586
	3d	Go3d6	2065	1406
	3c	Go3c1	639	2162

4b	Go4b2	3002	2743
	Go4b3	4462	2928
	Go4b13	4399	1397
4d	Go4d4	2157	2655

Table S4. Quantitative CL database for 34 samples from the quarries of Aphrodisias (Turkey).

Aphrodisias	District Quarry Name	Sample	Extrinsic CL	Intrinsic CL
	Ridge2-12	AR2-12-2	3383	567
	Ridge2-18	AR2-18-1	1615	1103
		AR2-18-2	1525	647
		AR2-18-3	5288	724
		AR2-18-4	1278	1294
		AR2-18-5	1017	893
		AR2-18-6	1282	858
	Ridge2-19	AR2-19-1	1153	816
		AR2-19-2	1792	847
		AR2-19-3	725	437
		AR2-19-4	5510	859
	Ridge2-20	AR2-20A-1	2025	532
		AR2-20A-1-1	398	43
		AR2-20A-1-2	396	44
		AR2-20A-2-1	601	863
		AR2-20A-3-1	621	712
		AR2-20AB3-1	684	2114
		AR2-20AB-3-2	685	1798
		AR2-20AB-4-1	867	1852
		AR2-20AB-4-2	921	625
		AR2-20AB-5-1	729	767
	Ridge2-26	AR2-26-1-1	499	1141
		AR2-26-2-1	679	1492
	Ridge2-27	AR2-27-2-1	707	2748
		AR2-27-3-1	594	1212
	Ridge2-29	AR2-29-2-1	666	1121
	Ridge2-30	AR2-30-2-1	760	1170
	Ridge2-31	AR2-31-1-1	790	1154
		AR2-31-2-1	593	1036
		AR2-31-3-1	320	831
	Ridge2-33	AR2-33-1-1	721	938
		AR2-33-3-1	485	1092
	--	AR2-AB-1-1	1009	901
		AR2-AB-2-1	1776	723

Table S5. Quantitative CL database for 51 samples from the quarries of Proconnesos (Turkey).

Proconnesos	District Quarry Name	Sample	Extrinsic CL	Intrinsic CL
	Altıntaş	C1-3	1407	416
		C1-16	691	460
		C1-18b	660	433
		C1-23	1048	411
		C1-21	425	460
		C2-3s	466	446
		C2-4s	391	428
		C2-6s	496	466
		C2-2d	1044	423
		C2-3d	670	412
		C3-1s	653	423

C3-2s	405	484
C3-3s	576	431
C3-6s	539	493
C4-1	886	483
C4-3	1234	425
C5-3	1750	310
C5-5	568	435
C5-7	658	435
C5-8	1291	365
C5-12	912	425
C6-1	1315	451
C6-2	1016	484
C6-4	418	419
C6-b2	484	448
C6-b15	1867	262
C7-inf2	376	410
C7-inf3	864	383
pro C7i5-1	511	438
Pro C7i5-2	425	396
PRO C7i6-2	503	342
PRO C7i7-1	277	552
PRO C7i8-1	585	915
PRO C8-1	820	694
PRO C8-2	476	665
PRO C8-3	527	399
PRO C8-4	740	653
PRO C8-5	576	389
PRO C8-6	726	945
C9-1	775	569
C9-2	618	485
C9-3	479	1058
C10-2	530	259
C10-3	777	431
C10-4	731	525
C10-5	498	377
C11-6	526	286
C12-2	630	489
C12-6	457	293
C12s-3	418	478
C12s-5	728	423

Table S6. Quantitative CL database for 58 samples from the quarries of Pentelicon (Greece).

Pentelicon	District Quarry Name	Sample	Extrinsic CL	Intrinsic CL
	A1	L1-1	23490	793
		L1-2	14231	1093
		L1-3	21270	976
		L1-4	18993	937
		L1-5	12265	1038
		L1-6	9780	1325
	A2	L2-1	13700	938
		L2-2	11853	1221
		L2-3	35231	1105
		L2-4	14188	1391
		L2-7	20644	1121
		L2-8	10724	797
		L2-9	9505	1116

A3	L3-1	32763	942
	L3-2	25736	984
A5	L3-3	31702	625
	L5-1	6682	957
	L5-3	12028	2007
	L5-5	6699	400
	L5-6	6008	1287
	L5-7	10943	1540
	L5-8	15512	1636
	L5-9	20630	913
	L5-10	8475	955
	L5-12	8956	1098
A7	L7-1	14310	914
	L7-2	8000	798
	L7-3	5043	571
A8	L8-1	7735	1313
	L8-3	3597	837
	L8-4	10984	1062
	L8-6	9949	1631
	L8-8	5393	1313
	L8-9	7763	1304
	L8-10	8680	1380
A10	L10-1	7948	763
	L10-2	9291	1636
	L10-3	13927	1392
	L10-4	4824	1317
	L10-5	6504	1334
	L10-6	8719	1556
	L10-7	7203	1615
	L10-8-1	4608	849
	L10-8-2	8127	1303
	L10-9-1	7101	988
	L10-9-2	10790	1054
	L10-11	2668	1160
	L10-11-2	10555	1568
	L10-12	5576	1645
A12	L10-12-2	11836	1909
	L12-1	11723	1024
	L12-2	13106	1268
	L12-4	26537	992
	L12-5	7667	1354
	L12-6	11548	1122
	L12-7	3238	1489
K43	L43-1	3443	269
	L43-2	3624	1673

Table S7. Quantitative CL database for 29 samples from the quarries of Paros (Greece).

Paros	District Quarry Name	Sample	Extrinsic CL	Intrinsic CL
Paros-1 (Lychnites)	Marathi-NymphsL	NY5	3513	841
		NY7	1918	852
		NY8	1725	886
		NY8A	1952	871
		NY10	1195	832
		NY11	1520	838
		NY12	1623	937
		NY15	2171	872

Paros-2-3 (Chorodaki)	Marathi-Q5L	Q5-2	2369	913
	Spilies	KD2-1	5477	862
		KD2-2	5325	835
		KD2-6	2624	879
		KD4-1	3387	874
		KD4-4	5219	887
	Lakkoi	KS1-1	4819	809
		KS1-2	3921	805
		KS1-3	3310	867
Paros-2-3 (Marathi-non-lychnites)	Q5	Q5-1	1432	810
		Q5-5	2075	824
		Q5-6	2091	786
		Q5-7	1608	853
		Q5-8	3503	852
		Q5-9	1293	789
		Q5-12	1602	903
		Q5-13	1183	895
		Q5-14	6155	820
		Q5-15	1415	897
		Q5-18	4738	796
		Q5-21	4403	820

Table S8. Quantitative CL database for 34 samples from the quarries of Naxos (Greece).

Naxos	District Quarry Name	Sample	Extrinsic CL	Intrinsic CL
	Apollonas	AP1	24665	325
		AP2-1	15359	623
		AP3-1	10575	651
		AP5-2	11712	664
		AP7-1	7166	437
		AP8-1	5405	409
		AP9-1	6436	444
		AP10-1	11798	380
	Kinidaros	KIN3-1	5279	540
		KIN4-1	6589	726
		KIN5-1	6997	403
		KIN6-1	5199	535
		KIN8-1	6398	698
		KIN9-1	4960	548
		KIN10-1	10957	276
		KIN11-1	7093	500
		KIN12-1	4880	631
		KIN13-1	4273	377
		KIN14-1	4798	623
		KIN16-1	3553	392
		KIN17-1	4315	265
	Melanes	KIN18-1	7518	630
		KIN19-1	6536	515
		KIN20-1	5860	414
		KIN21-1	6460	404
		NML1-1	2209	478
		NML2-1	9342	425
		NML4-1	7396	532
		NML10-1	7260	921
		NML11-1	8382	645
		NML12-1	6521	519

	NML13-1	7238	909
	NML14-1	5017	473
	NML15-1	8091	522

Table S9. Quantitative CL database for 38 calcitic samples from the quarries of Thassos (Greece).

Thassos	District Quarry Name	Sample	Extrinsic CL	Intrinsic CL
	Acropoli	TH1 605-1	788	1071
		TH1 607-1	2071	878
		TH1 608-1	2997	1259
	Phanari	TH1 609-1	1040	316
		TH1 610-1	3881	638
		TH1 611-1	2730	593
	Aliki A	TH1 612-1	3095	745
		TH1 613-1	2913	802
		TH1 614-1	2402	998
		TH1 615-1	3919	903
		TH1 616-1	3496	1087
		TH1 617-1	4027	798
		TH1 618-1	4040	478
		TH1 619-1	11185	522
		TH1 620-1	7669	815
		TH 1 622-2	4253	704
		TH1 623-1	3564	427
	Aliki B	TH1 624-1	4528	983
		TH1 625-1	5669	917
		TH1 626-1	4090	840
		TH1 627-1	4286	513
		TH1 628-1	2793	733
		TH1 629-1	3350	463
		TH1 630-1	3060	944
		TH1 631-1	5263	560
		TH1 632-1	31376	404
		TH1 633-1	3889	924
		TH1 634-1	3784	637
		TH3 666-1	6570	423
		TH3 667	6898	676
		TH3 668	13113	826
	Aliki C	TH3 669	6174	869
		TH4 670-1	10099	716
		TH3 670	9289	912
		TH3 671	12730	719
		TH3 672	32298	717
		TH3 673	7347	886
		TH3 674	12292	905

Table S10. Quantitative CL database for 34 dolomitic samples from the quarries of Thassos (Greece).

Thassos	District Quarry Name	Sample	Extrinsic CL	Intrinsic CL
	Cap Vathy	TH4 679-1	17698	1157
		TH3 679	13699	919
		TH3 680	33936	932
		TH3 681	4201	1109
		TH3 682	7139	1305
		TH3 684	48468	911
		TH3 685	55733	684

Saliara	TH3 686	15472	820
	TH3 687	5276	1084
	TH3 688	21145	705
	TH3 689	8243	1043
	TH3 690	7604	1100
	TH3 691	11404	1214
	TH3 692	12904	696
	TH3 693	7059	1000
	TH3 694	6787	1076
	TH3 695	7325	892
	TH3 696	5214	1197
	TH3 697	7562	1499
	TH3 698	14744	1144
	TH4 699-1	9796	1348
	TH4 700-1	12223	959
	TH4 701-1	20482	1317
	TH4 702-2	5592	954
	TH4 703-1	17709	923
	TH4 704-1	4217	1480
	TH4 705-3	7331	1651
	TH4 705-4	6262	1392
	TH4 706-1	18081	998
	TH4 707-1	4456	1212
	TH4 708-1	18308	1238
	TH4 709-1	6907	1211
	TH4-710-1	9921	1344
	TH4 711-1	12094	1243



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