

## Degradation Experiment

Ring, Sex, Feather type, Feather part, 0h A (weight), 120h A (weight), 408h A (weight)

3028329, female, 2, A, 9.20927071, 10.5815992, 40.3901755  
3028331, female, 2, A, 17.6333725, 23.2290439, 50.3686453  
3028334, female, 2, A, 27.7332594, 30.134859, 22.301129  
3028340, female, 2, A, 12.7845862, 16.6508464, 39.3633315  
3082050, female, 2, A, 21.6040976, 24.5439109, 53.4050642  
3223669, female, 2, A, 9.10654949, 19.9406623, 48.6801802  
3223864, female, 2, A, 28.8349993, 36.5011539, 68.05259  
3223889, female, 2, A, 24.6321013, 28.96492, 53.6586539  
3270779, female, 2, A, 35.445368, 56.0754489, 96.0363776  
3288943, female, 2, A, 15.7535298, 21.6214446, 50.4087836  
3288999, female, 2, A, 7.97669529, 9.91962616, 37.60735  
3369106, female, 2, A, 20.6360266, 25.3388557, 48.5533911  
3369108, female, 2, A, 20.9216654, 12.888483, 46.2405249  
3369109, female, 2, A, 29.0263483, 35.8468188, 75.3221327  
3369113, female, 2, A, 13.4121687, 23.6250781, 38.4204794  
3369119, female, 2, A, 13.9834511, 19.7388267, 41.2189909  
3369155, female, 2, A, 36.8172762, 45.1370162, 71.849774  
3369445, female, 2, A, 24.7728159, 24.6304893, 52.7094237  
3369448, female, 2, A, 2.08715271, 26.5384616, 54.4935805  
3369451, female, 2, A, 17.2140639, 22.1413669, 44.6605116  
3369453, female, 2, A, 14.7165167, 25.6540622, 55.6932074  
3369457, female, 2, A, 25.521353, 33.3710937, 66.3239943  
3369460, female, 2, A, 12.7902501, 29.4834041, 50.4335066  
3369473, female, 2, A, 25.1470835, 25.5225314, 57.1682211  
3049027, male, 1, A, 20.5576028, 28.6396938, 54.9491858  
3049039, male, 1, A, 15.6549748, 18.9700886, 40.0000967  
3223873, male, 1, A, 31.4634217, 47.8461185, 86.7103781  
3270996, male, 1, A, 8.59430016, 15.2313524, 49.4909911  
3285659, male, 1, A, 5.3809861, 13.8864637, 48.5309882  
3369110, male, 1, A, 22.9783791, 36.3218361, 59.4339995  
3369444, male, 1, A, 17.2877339, 18.8849045, 46.3454909  
3369446, male, 1, A, 39.4638661, 51.8980175, 71.6121992  
3369449, male, 1, A, 22.2423962, 35.7066723, 64.0873541  
3369450, male, 1, A, 22.2718266, 26.4252392, 53.6861548  
3369452, male, 1, A, 18.3044442, 30.5936714, 52.521295  
3369454, male, 1, A, 38.9588803, 34.0486256, 65.2497801  
3369455, male, 1, A, 19.4004868, 28.0437351, 48.0182356  
3369456, male, 1, A, 21.3049306, 25.5221916, 60.4909605  
3369458, male, 1, A, 11.3863953, 18.175531, 51.5188918  
3369459, male, 1, A, 10.8293742, 19.4058567, 50.3939986  
3049027, male, 2, A, 22.3318995, 32.4499252, 59.7405063  
3049039, male, 2, A, 20.9570101, 29.6294772, 58.217683  
3223873, male, 2, A, 20.0064238, 20.5887363, 53.0209285  
3270996, male, 2, A, 17.225561, 26.0226237, 57.5738307  
3285659, male, 2, A, 11.7577771, 21.512057, 52.755807  
3369110, male, 2, A, 26.9601525, 35.2605693, 56.5890361  
3369444, male, 2, A, 7.72529968, 19.2012298, 35.1722614  
3369446, male, 2, A, 22.5229252, 34.7280776, 58.9147884  
3369449, male, 2, A, 21.0275534, 42.1600692, 64.2859622  
3369450, male, 2, A, 27.7591742, 46.2082374, 81.8843967  
3369452, male, 2, A, 23.4818924, 31.2025974, 67.80116  
3369454, male, 2, A, 11.5611657, 38.4326369, 74.3541042  
3369455, male, 2, A, 15.1382559, 28.0385406, 53.9676982  
3369456, male, 2, A, 18.7369994, 29.0904529, 64.0433971  
3369458, male, 2, A, 17.3966788, 34.1664931, 61.7408954  
3369459, male, 2, A, 13.1120642, 20.7580135, 49.9450465  
3223861, male, 2, A, 15.2643259, 22.7902667, 56.7556697

3285646,male,2,A,6.64585098,20.8052337,55.7556468  
3369443,male,2,A,3.61738953,10.5349815,38.1345378  
3028329,female,2,B,16.8920891,11.8328618,48.6023923  
3028331,female,2,B,-0.0931633,37.7912473,81.1949902  
3028334,female,2,B,22.6181957,21.5879468,69.4532262  
3028340,female,2,B,23.6835396,32.9729375,85.1434613  
3082050,female,2,B,26.2953636,24.7651166,64.8844586  
3223669,female,2,B,6.65074081,5.24328125,46.6081067  
3223864,female,2,B,49.6155941,66.3506497,120.08518  
3223889,female,2,B,36.3254845,36.6241444,73.8562146  
3270779,female,2,B,27.2944042,26.9268025,67.7036801  
3288943,female,2,B,22.2381756,24.3798283,78.4560605  
3288999,female,2,B,8.50937099,3.68121994,46.0357114  
3369106,female,2,B,25.000209,35.9755963,59.8559743  
3369108,female,2,B,22.827861,15.0600938,48.817381  
3369109,female,2,B,25.5421707,24.0195741,74.2680417  
3369113,female,2,B,12.4593803,12.1094884,41.0823384  
3369119,female,2,B,38.0229542,39.7829694,80.2587033  
3369155,female,2,B,20.8829758,28.3571614,68.3718854  
3369445,female,2,B,16.3771183,14.5803708,44.4816991  
3369448,female,2,B,28.5594398,15.741351,55.7300931  
3369451,female,2,B,32.4339554,31.4169949,70.3584271  
3369453,female,2,B,18.4422867,21.6547955,61.2597523  
3369457,female,2,B,20.3378841,19.9702786,60.4309521  
3369460,female,2,B,4.99101563,4.62019051,49.8844548  
3369473,female,2,B,20.8929493,23.675105,65.0968381  
3049027,male,1,B,27.2479044,41.1766859,72.7777684  
3049039,male,1,B,10.5253188,24.3173605,55.7069714  
3223873,male,1,B,29.9234396,25.2831313,63.5064595  
3270996,male,1,B,13.2316681,27.8858611,70.0657971  
3285659,male,1,B,4.61964668,24.80609,67.0841992  
3369110,male,1,B,30.1436869,53.4169718,83.3739178  
3369444,male,1,B,19.8901864,34.0506274,51.4178059  
3369446,male,1,B,43.1061369,56.8415381,56.3472989  
3369449,male,1,B,17.0555388,25.4462057,53.0275586  
3369450,male,1,B,20.4584795,41.8051192,78.9176801  
3369452,male,1,B,19.9066473,43.3389136,51.004617  
3369454,male,1,B,23.4657675,55.9776923,84.9828122  
3369455,male,1,B,28.1565968,40.5845457,61.892175  
3369456,male,1,B,13.7277457,24.443896,63.0473874  
3369458,male,1,B,21.0298773,35.9172827,66.9182446  
3369459,male,1,B,15.7513548,38.9480845,64.4093144  
3049027,male,2,B,22.3671967,33.0726301,58.3259604  
3049039,male,2,B,31.7376859,25.4410764,56.4692404  
3223873,male,2,B,16.5995633,18.9606744,41.260359  
3270996,male,2,B,8.7994973,11.0725824,39.452471  
3285659,male,2,B,1.37079971,17.0644628,51.2056258  
3369110,male,2,B,15.3269231,26.9482233,52.2071097  
3369444,male,2,B,7.03658646,14.8282968,45.939379  
3369446,male,2,B,21.7830054,24.2359373,52.9073203  
3369449,male,2,B,17.6049258,34.5262891,49.8240378  
3369450,male,2,B,16.2404877,19.481207,47.1862242  
3369452,male,2,B,25.4163615,23.7308828,44.5654471  
3369454,male,2,B,35.4027497,27.7061807,56.9529097  
3369455,male,2,B,18.4756944,21.2753812,48.5236723  
3369456,male,2,B,20.1989695,28.8033468,59.110903  
3369458,male,2,B,7.58803337,9.16760746,34.734915  
3369459,male,2,B,3.5798661,7.66872803,30.682543  
3223861,male,2,B,9.44710701,18.4930708,63.5827963  
3285646,male,2,B,5.92800873,10.4189636,38.4724486

3369443,male,2,B,4.91127365,17.5948183,43.0358565

## Uropygial gland and bacterial count

ring,sex,feather type,feather part,length,weight,log TSA resid peso,inhibition halo,Volume  
UG,capillar length secretion

3028329,female,2,A,14.23,0.55,3.0129446,2,481.49712,54.26  
3028331,female,2,A,18.72,0.36,2.28028631,1,381.523928,12.46  
3028334,female,2,A,13.8,0.4,2.2872234,1,324.576,1.92  
3028340,female,2,A,20.71,0.4,2.01595378,0,387.891504,20.82  
3049027,male,1,A,12.77,0.46,2.10408384,1,663.926176,1.1  
3049027,male,2,A,23.01,0.67,1.91279795,1,663.926176,1.1  
3049039,male,1,A,17.74,0.59,2.21021032,2,405.051136,29.95  
3049039,male,2,A,26.62,1.06,2.62869528,2,405.051136,29.95  
3082050,female,2,A,10.9,0.21,2.26519259,0,349.4744,15.8  
3223669,female,2,A,14.59,0.32,2.10585622,1,301.945644,8.7  
3223861,male,2,A,24.27,0.54,1.86910212,0,330.778996,6.27  
3223864,female,2,A,18.25,0.33,2.05449493,1,316.8018,12.31  
3223873,male,1,A,15.6,0.34,1.84026723,2,410.721792,21.49  
3223873,male,2,A,26.56,0.42,2.01243061,2,410.721792,21.49  
3223889,female,2,A,11.17,0.2,2.31887963,0,268.69104,0.6  
3270779,female,2,A,15.24,0.35,2.33224492,2,433.173504,10.39  
3270996,male,1,A,5.03,0.02,2.06047985,1,319.56912,5.04  
3270996,male,2,A,24.94,0.47,2.22189541,1,319.56912,5.04  
3285646,male,2,A,22.5,0.7,1.79293072,0,351.249048,5.56  
3285659,male,1,A,20.86,0.74,2.12083677,0,380.7925,0.84  
3285659,male,2,A,20.03,0.5,2.19577006,0,380.7925,0.84  
3288943,female,2,A,10.82,0.33,2.23897184,2,455.119136,31.62  
3288999,female,2,A,14.58,0.32,2.3937535,2,370.974072,8.26  
3369106,female,2,A,17.25,0.55,2.14691749,2,340.5696,22.8  
3369108,female,2,A,16.23,0.56,2.06454125,,350.560224,0  
3369109,female,2,A,15.44,0.6,1.83943028,0,291.939552,11.14  
3369110,male,1,A,15.69,0.52,0.00436437,1,419.8086,22.37  
3369110,male,2,A,25.14,0.69,2.52546049,1,419.8086,22.37  
3369113,female,2,A,17.4,0.47,2.3306461,1,339.57,12.24  
3369119,female,2,A,8.77,0.16,2.40708691,0,353.032312,4.55  
3369155,female,2,A,6.65,0.23,2.21930649,2,427.54208,23.02  
3369443,male,2,A,19.87,0.76,1.62955332,2,449.35403,7.3  
3369444,male,1,A,13.26,0.52,1.61289072,0,345.57762,3.06  
3369444,male,2,A,20.33,0.93,2.22393549,0,345.57762,3.06  
3369445,female,2,A,13.81,0.34,2.03797082,0,381.72816,4.48  
3369446,male,1,A,17.77,0.28,2.48472325,3,546.468,19.73  
3369446,male,2,A,24.84,0.58,2.28103948,3,546.468,19.73  
3369448,female,2,A,12.49,0.12,2.34684396,0,428.642592,38.4  
3369449,male,1,A,15.11,0.41,1.95652946,0.5,345.3496,11.42  
3369449,male,2,A,25.47,0.95,1.32184274,0.5,345.3496,11.42  
3369450,male,1,A,13.09,0.21,1.9733498,2,415.6314,10.26  
3369450,male,2,A,26.9,0.58,0.00117101,2,415.6314,10.26  
3369451,female,2,A,10.15,0.28,2.37020124,0,351.221416,20.73  
3369452,male,1,A,10.34,0.29,1.96669962,4,392.845024,22.1  
3369452,male,2,A,24.02,0.71,1.94857521,4,392.845024,22.1  
3369453,female,2,A,10.77,0.25,2.51485179,0,439.410048,12.46  
3369454,male,1,A,17.42,0.43,2.2177941,0,436.27688,19.88  
3369454,male,2,A,24.18,0.55,2.90887849,0,436.27688,19.88  
3369455,male,1,A,21.97,0.53,2.17123321,0.5,361.764648,3.83  
3369455,male,2,A,30.37,0.81,2.16552654,0.5,361.764648,3.83  
3369456,male,1,A,11.54,0.33,2.15199562,2,397.260864,7.8  
3369456,male,2,A,20.82,0.78,2.26980828,2,397.260864,7.8  
3369457,female,2,A,15.25,0.69,4.3427E-05,2,340.77338,23.28  
3369458,male,1,A,11.92,0.36,2.0164834,2,349.230528,11.32

3369458,male,2,A,33.08,0.69,2.06190768,2,349.230528,11.32  
3369459,male,1,A,15.58,0.51,2.45284204,2,343.5894,8.46  
3369459,male,2,A,26.8,0.76,1.91705439,2,343.5894,8.46  
3369460,female,2,A,11.91,0.39,2.13979823,3,357.09246,20  
3369473,female,2,A,16.17,0.28,2.43859223,3,470.16936,15  
3028329,female,2,B,14.5,1.13,1.98371435,,,  
3028331,female,2,B,8.04,0.53,2.13057318,,,  
3028334,female,2,B,11.95,1.11,2.77056587,,,  
3028340,female,2,B,4.1,0.46,2.10241945,,,  
3049027,male,1,B,14.55,0.98,1.64267548,,,  
3049027,male,2,B,7.54,0.57,1.32641042,,,  
3049039,male,1,B,14.01,1.26,2.022464,,,  
3049039,male,2,B,9.18,0.32,2.05639311,,,  
3082050,female,2,B,15.23,0.96,1.73480055,,,  
3223669,female,2,B,6.61,0.37,2.20792796,,,  
3223861,male,2,B,6.12,0.33,1.50385494,,,  
3223864,female,2,B,9.6,0.64,2.13662346,,,  
3223873,male,1,B,17.81,1.4,0.00099773,,,  
3223873,male,2,B,10.3,0.56,1.06856135,,,  
3223889,female,2,B,13.03,0.96,2.1280763,,,  
3270779,female,2,B,15.44,1.06,2.03278362,,,  
3270996,male,1,B,25.41,1.56,1.88127488,,,  
3270996,male,2,B,6.4,0.4,1.4744185,,,  
3285646,male,2,B,13.05,0.87,0.00393421,,,  
3285659,male,1,B,15.08,1.36,1.34699182,,,  
3285659,male,2,B,10.52,0.81,2.0376177,,,  
3288943,female,2,B,16.61,1.19,1.5616264,,,  
3288999,female,2,B,11.62,0.9,1.73380357,,,  
3369106,female,2,B,9.08,0.77,2.19193275,,,  
3369108,female,2,B,12.66,0.84,1.64395646,,,  
3369109,female,2,B,8.26,0.7,1.98719186,,,  
3369110,male,1,B,12.95,1.02,1.8614803,,,  
3369110,male,2,B,10.42,0.49,1.81461725,,,  
3369113,female,2,B,4.63,0.67,2.00873478,,,  
3369119,female,2,B,17.59,1.19,1.5616264,,,  
3369155,female,2,B,15.79,0.98,0.00358977,,,  
3369443,male,2,B,13.29,0.75,0.99153219,,,  
3369444,male,1,B,17.12,0.9,1.82205092,,,  
3369444,male,2,B,20.59,0.46,1.42772899,,,  
3369445,female,2,B,10.97,0.98,0.00358977,,,  
3369446,male,1,B,15.17,1.39,2.41715586,,,  
3369446,male,2,B,12.29,0.49,1.65567151,,,  
3369448,female,2,B,12.69,0.79,2.2362365,,,  
3369449,male,1,B,15.55,1.53,2.02939823,,,  
3369449,male,2,B,9.44,0.26,1.42982751,,,  
3369450,male,1,B,21.06,1.54,1.22261114,,,  
3369450,male,2,B,5.43,0.27,1.56107966,,,  
3369451,female,2,B,15.43,0.76,2.03026928,,,  
3369452,male,1,B,20.32,1.6,1.87419402,,,  
3369452,male,2,B,10.56,0.58,1.02926809,,,  
3369453,female,2,B,13.87,1.07,2.19366718,,,  
3369454,male,1,B,13.03,1.22,1.937212,,,

3369454,male,2,B,6.47,0.36,2.04859646,,,  
3369455,male,1,B,11.41,1,2.09098467,,,  
3369455,male,2,B,14.49,0.45,1.23758043,,,  
3369456,male,1,B,15.68,1.25,1.65911948,,,  
3369456,male,2,B,11.9,0.76,2.00681005,,,  
3369457,female,2,B,8.15,0.41,1.97692477,,,  
3369458,male,1,B,18.4,1.19,1.88908763,,,  
3369458,male,2,B,4.51,0.18,1.32131958,,,  
3369459,male,1,B,18.38,1.3,2.01736002,,,  
3369459,male,2,B,5.2,0.57,1.49420526,,,  
3369460,female,2,B,12.59,0.67,2.32640063,,,  
3369473,female,2,B,9.83,0.59,1.93043424,,,