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<sup>+</sup> [22, 1238, 44, 1711, 801]. <sup>-</sup> [693]. <sup>13</sup> [1396, 166, 2189, 1668, 1986, 3089]. <sup>15</sup> [1396, 166, 2189, 1668, 1095, 1986, 3089]. <sup>2+</sup> [584]. <sup>2</sup> [1618, 2167, 296, 905]. <sup>3</sup> [1986]. <sup>4</sup> [1986]. <sup>c</sup> [667]. <sup>crit</sup> [2492]. <sup>e</sup> [667, 2147].  <sup>$\alpha$</sup>  [214, 2355, 1931]. <sup>b</sup> [485].  <sup>$\beta$</sup>  [910, 214, 9, 1175, 1647, 189].  <sup>$\beta_2$</sup>  [1956].  <sup>$\beta_A$</sup>  [3087].  <sup>$\beta_B$</sup>  [3087]. <sup>:</sup> [1852, 700, 1597, 426, 865, 619, 1136].  <sup>$\Delta$</sup>  [1986, 1396, 166, 2189, 1668, 1095, 3089].  <sup>$Q_{10}$</sup>  [2310]. <sup>r</sup> [1444].  <sup>$\times$</sup>  [1412, 2167, 2505, 2774, 3024, 1006, 2495].

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[2219, 1061, 1446]. **seaward** [1387, 1731]. **Seawater** [1006, 866, 2702, 2664, 1514, 1238, 1507, 274, 1966, 1747, 1034, 2707, 1262, 693, 1511, 1290, 2706]. **Sebastes** [891, 844, 1160, 2276]. **Sebastidae** [1160]. **Seber** [2465]. **second** [2167, 2068, 2570, 1854, 705, 1243]. **second-generation** [1854]. **secondary** [2484, 3076, 1840]. **secretion** [1313]. **secretory** [3059]. **sediment** [396]. **sedimentary** [2929]. **Sedlo** [895]. **seed** [1949]. **Seeking** [1790, 2652, 60]. **seen** [2299]. **seeps** [998]. **segments** [666]. **segregated** [2239]. **Segregation** [1809, 2173, 1476, 729, 2020, 2018, 2294]. **seine** [1190, 2654]. **seismic** [1415]. **Seitz** [1211]. **Selachii** [1908]. **selected** [204, 326, 3069, 88, 1212]. **Selection** [2951, 1616, 520, 2759, 2597, 202, 751, 1959, 1584, 1559, 366, 360, 1444, 599, 53, 279, 924, 2028, 1635, 2473, 1619, 1676, 117, 654, 399]. **selective** [889, 984, 1727, 2085]. **selectivity** [2998, 2370, 896, 1566, 1159]. **self** [1749, 1896, 1225]. **self-fertilizing** [1749, 1896]. **self-sampling** [1225]. **semelparous** [3076]. **semen** [1450]. **semi** [2708, 2011, 176, 2013, 1555, 3086, 1034, 303, 2012]. **semi-arid** [176, 2013, 2012]. **semi-closed** [2708]. **semi-enclosed** [2011]. **semi-natural** [1555, 3086, 1034]. **semi-terrestrial** [303]. **Semicossyphus** [1870]. **semifasciatus** [576]. **semifasciolatus** [836]. **semilaevis** [2826, 82, 380, 1568, 2476, 1931]. **semilunaris** [434]. **seminal** [1944]. **semiochemical** [299]. **Semotilus** [1073, 2739]. **Senegal** [529]. **senegalensis** [1245, 1697, 529, 1191, 1794]. **Senegalese** [1245, 1697, 1191, 1794]. **senegalus** [2937]. **senescence** [559]. **senior** [1318]. **sense** [60]. **sensitivity** [1218, 2306, 2806, 2928, 2936]. **sensor** [1947]. **Sensory** [2938, 2923, 2940, 2920]. **sensu** [964]. **separated** [1707]. **separating** [236]. **separation** [992]. **Sequence** [2222, 334, 714, 799, 571, 1763, 1492, 1938]. **sequences** [2150, 836, 373, 2364, 465, 386, 2232, 952, 2835, 19]. **Sequencing** [2829, 2664, 2809, 1459]. **sequentially** [1777, 1918]. **Serbia** [1675, 1201]. **Serendipitous** [3088]. **series** [2549, 1750, 1031]. **Seriola** [3062, 2178, 1036, 1482]. **Seriolella** [3025]. **serotypes** [1608]. **serranid** [1183, 2730]. **Serranidae** [1661, 1014, 1286, 2288, 2448, 3061, 2404, 736]. **Serranus** [3061]. **Serrasalmidae** [2002, 2619, 2953]. **serrasalmids** [2002]. **sertanejo** [2358]. **serum** [1340, 668]. **serve** [2093]. **services** [640]. **set** [1415, 1203, 3003]. **set-up** [3003]. **setting** [2097, 3053]. **settlement** [534, 2825, 2269, 2216, 2947]. **settlement-stage** [2825, 2216]. **setup** [1819]. **seven** [2221]. **sevengill** [306, 2518, 2859, 764]. **several** [607, 1897, 2947, 517]. **severe** [227]. **Severn** [323]. **sewage** [2113]. **Sex** [3071, 1344, 1317, 1731, 1694, 1197, 166, 2809, 2847, 1178, 795, 2665, 1845, 2785, 1778, 922, 21, 711, 1523, 2842, 479, 2136, 2804, 2032, 1253, 594, 776, 1135, 2402, 1185, 2850, 2957, 2307, 144, 1007, 164, 1579, 2654, 1425, 1809]. **sex-based** [1523]. **sex-dependent** [2654]. **sex-ratio** [1185]. **sex-related** [2809]. **Sex-specific** [1344, 1731, 1694, 21, 1809]. **sexes** [2182]. **Sexing** [287, 1417]. **Sexual** [244, 1125, 200, 1723, 1582, 695, 456, 492, 1247, 468, 2764, 1845, 1357, 205, 751, 1286, 2639, 1640, 682, 1417, 2484, 772, 96, 2437, 646, 2171, 1840, 2380, 1291].

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**Specialist** [1075, 1959, 381, 454, 1921]. **specialization** [2544, 2653, 1921].  
**speciation** [2129, 1055, 664]. **specie** [2806]. **Species** [1556, 1138, 2382, 1600, 776, 1174, 3000, 3034, 778, 1139, 2647, 375, 3006, 928, 2577, 2002, 2619, 2617, 881, 998, 2000, 1096, 1086, 2782, 897, 2183, 2673, 954, 777, 1235, 1773, 450, 62, 271, 1294, 2997, 1438, 2427, 2123, 2569, 1481, 2282, 1315, 2558, 1203, 2239, 1751, 2395, 2339, 2185, 2509, 373, 98, 2502, 100, 645, 2023, 268, 2056, 69, 2874, 1046, 2662, 1304, 2089, 1846, 1088, 616, 2093, 1141, 1892, 1163, 1414, 2386, 2514, 1109, 1679, 2428, 2242, 1168, 2426, 2587, 2766, 2051, 2843, 1540, 1308, 257, 222, 1357, 1517, 2291, 1703, 61]. **species** [2621, 1008, 991, 2126, 1348, 849, 915, 2186, 246, 644, 1685, 329, 2941, 2627, 1923, 386, 1644, 17, 1161, 1111, 773, 2298, 1059, 2771, 1543, 2935, 1337, 3039, 2740, 347, 822, 1951, 2267, 2228, 1435, 366, 1091, 1904, 2505, 1416, 1477, 1884, 676, 1646, 2953, 2136, 1081, 937, 342, 1546, 1668, 512, 966, 2544, 1151, 150, 1115, 2608, 1442, 2549, 619, 1536, 1909, 2796, 2971, 557, 248, 2004, 1250, 3056,

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1898, 2283, 884, 1277, 1307, 1451, 3089, 3009, 994, 993]. **Stable-isotope** [769, 578, 2721, 1623, 770, 1112, 518, 841, 2379, 2741, 2374, 1677, 2870, 884, 1277, 3089]. **stable-isotopic** [2203]. **stacking** [1252]. **stage** [256, 1855, 2137, 2187, 1120, 2825, 278, 2403, 90, 2258, 2216, 2947, 203, 869, 1102, 1197]. **stages** [2832, 2482, 1168, 1672, 1795, 574, 134, 2066, 2678, 2753, 987, 2329, 2237, 3054]. **staghorn** [2331]. **staging** [1750]. **stakeholders** [1226]. **Standard** [2807, 1369, 1822, 510, 978, 1829]. **standardized** [1915, 2192]. **standardizing** [3066]. **standing** [2463]. **starry** [2042, 294, 1812, 1390]. **start** [1607]. **startle** [1384, 1780]. **startled** [829]. **starvation** [963, 597]. **State** [567, 250, 982, 580, 3059, 2547, 916, 3080]. **station** [3052]. **Statistical** [980, 1079, 414]. **statistics** [2198]. **Status** [463, 487, 506, 526, 289, 441, 2783, 881, 745, 533, 43, 2991, 748, 337, 1902, 329, 435, 296, 2348, 2164, 1999, 927, 607, 1815, 415, 723, 1575, 935, 2914, 217, 2912, 155, 741, 154, 1171, 422, 2685, 2793]. **status-dependent** [415]. **stay** [2467]. **steady** [580, 1482]. **stealth** [2270]. **Steelhead** [1712, 1283, 106, 1911, 1433, 1572, 2695, 2697, 2085]. **Stegastes** [1639, 2992]. **Stegostoma** [626]. **steindachner** [2514]. **stellatus** [1390]. **Stellifer** [1613]. **stem** [266, 1459, 2175]. **stem-like** [266]. **stem-progenitor** [2175]. **stenolepis** [2151]. **step** [664, 1106]. **Stephanoberycoidei** [1530]. **stepwise** [596]. **stereo** [2044]. **stereo-video** [2044]. **stereological** [238]. **sterlet** [2888, 968]. **Sternarchogiton** [1202]. **steroid** [922, 2850, 9, 2307]. **steroidogenesis** [727]. **steroidogenic** [2355]. **steroids** [164]. **Stevardiinae** [2000, 2621, 2003, 2324, 2743]. **Stevens** [739]. **stew** [1300]. **Stickleback** [550, 244, 210, 678, 1163, 583, 2612, 1684, 1493, 682, 1366, 649, 2384, 947, 1049, 2351, 2850, 2669, 1119, 2858]. **sticklebacks** [1925, 544, 892, 514, 2995]. **Stickney** [108]. **Stigler** [980]. **Stigmatopora** [720, 71, 501]. **stimpsoni** [888]. **stimulating** [2643]. **stimulation** [408, 1638]. **stimuli** [447, 2933, 2923, 2936]. **stimulus** [293]. **sting** [1947, 1067]. **stingaree** [758]. **stinging** [2321]. **stingray** [2624, 1602, 2428, 2853, 1132, 211, 2969]. **stingrays** [2034, 2856, 756]. **stochastic** [1223, 656]. **Stock** [1557, 430, 2914, 959, 2121, 727, 2140, 1845, 908, 2828, 1732, 687, 1147, 395, 260, 1685, 1441, 35, 1352, 933, 1186, 1886, 2148, 1198, 2716, 752, 2157, 199, 2685]. **stock-enhancement** [260]. **Stock-specific** [959]. **stocked** [2741, 1376, 1038, 1290]. **stocking** [1556, 354, 2777, 1559, 1564, 838, 949, 379, 180, 2989, 538, 3024, 475]. **Stocks** [1193, 438, 797, 1580, 1420, 2949, 1549, 1449, 2913, 622]. **stoichiometry** [1138]. **stomach** [3067, 453, 2340, 854, 817, 3066, 1028, 1375]. **Stomiidae** [1765]. **Stomolophus** [2682]. **stone** [931, 2851, 188, 1390]. **stop** [2258]. **storage** [1645, 2189, 879, 2436, 467, 2561, 2265, 2462, 190]. **stored** [58, 2125, 1333]. **stores** [611, 1902]. **storing** [620]. **storms** [3073]. **story** [1463]. **stoutii** [679, 2830, 3079]. **Straight** [504]. **Straight-nosed** [504]. **strain** [2221, 1106, 2512]. **strains** [662, 932, 2159, 1608, 2053, 1026, 1513]. **Strait** [200]. **stranded** [2944, 2836, 826]. **stranding** [114]. **strandings** [2812]. **Strangomera** [1186]. **strategies**

[1013, 2000, 1227, 1852, 1388, 1069, 116, 1331, 1288, 2458, 1637, 798, 203, 173]. **strategy** [2346, 1278, 866, 1421, 2091, 2141, 1634, 2800, 2649, 1626, 648, 900, 1671, 454, 1249]. **stratification** [1363, 433]. **Stream** [806, 2725, 1751, 1478, 3048, 2551, 302, 2186, 2076, 682, 579, 1977, 321, 1498, 2546, 417, 2732, 2470, 1073, 965, 348, 1572, 1500, 1980, 1979, 1865, 2653, 2881, 2858, 1116, 41, 2940, 1103, 165]. **stream-dwelling** [2470, 965, 1865, 2653]. **stream-maturing** [1572]. **stream-reared** [1498]. **stream-resident** [682, 2858]. **streambed** [1911]. **streamflow** [2168]. **streams** [3027, 2183, 2142, 2527, 2747, 168, 1107, 213, 2005, 1566, 2352, 1159]. **streamscape** [2352]. **strength** [1037, 1535]. **strengthen** [2898]. **Streptococcus** [2788, 1608, 1026]. **Stress** [2369, 926, 702, 2665, 662, 1254, 301, 145, 1606, 1684, 922, 3012, 2219, 2846, 1642, 3020, 958, 2964, 1963, 2862, 92, 837, 36, 544, 2354, 2863, 3024, 2661, 32, 2706, 959, 1794, 539, 1719]. **stress-coping** [2846]. **stress-induced** [3012]. **Stressed** [572, 2354, 3028]. **stressful** [922]. **Stressor** [1847]. **Stressors** [5, 2753]. **stretch** [1666]. **stretches** [2272]. **striata** [1946]. **striatus** [1235, 1534]. **strictly** [1122]. **stricto** [964]. **strigata** [914]. **striped** [1952, 2483, 1731, 960, 1352, 346, 1748, 1946]. **strobe** [2934]. **Strong** [716, 2077]. **Stronger** [2776, 2496]. **strongly** [116]. **strontium** [2489]. **Structural** [2973, 2238, 1528, 2330, 2810, 2967]. **Structure** [545, 2256, 2963, 39, 2302, 779, 2121, 306, 582, 598, 576, 1632, 675, 2421, 2526, 396, 1384, 1076, 3025, 2625, 2074, 701, 2828, 2151, 2873, 2129, 1196, 2593, 2737, 2154, 1577, 2853, 2868, 1810, 337, 969, 3083, 2130, 250, 2008, 2736, 347, 148, 2136, 2055, 500, 264, 1048, 2071, 14, 799, 788, 2574, 1936, 430, 2879, 1058, 2805, 270, 716, 379, 2821, 1446, 2028, 78, 536, 2713, 1714, 1100, 660, 211, 421, 2479, 2870, 3034, 538, 1201, 363, 2780, 502, 215, 2305, 1447, 2490, 1946, 1912, 1307, 952, 2878, 1027, 622, 2835, 272, 2253, 2153, 42, 968]. **structured** [2972]. **Structures** [801, 713, 23, 2781, 1297, 2695, 2995]. **structuring** [1849, 350, 370, 2515, 331]. **strumosus** [32]. **student** [1829]. **studies** [8, 3067, 805, 2140, 1804, 1949, 1339, 1443, 1743, 2126, 2735, 1762, 329, 726, 1423, 1131, 1004, 762, 2204, 890]. **study** [1415, 782, 210, 1705, 1479, 1056, 1718, 1833, 572, 2465, 2013, 1880, 917, 1410, 3086, 472, 1571, 1642, 949, 592, 1134, 1693, 1596, 1891, 2112, 2601, 1893, 529, 2905, 2648, 2947, 2230, 2098, 1946, 1277, 499, 428, 2106, 1719]. **studying** [1869, 1317, 2381, 2115]. **stumpnose** [721]. **stunting** [33]. **Sturgeon** [2201, 471, 2750, 2786, 2609, 2622, 2119, 610, 687, 2510, 2059, 2061, 835, 1062, 2614, 1848, 2545, 2174, 1853, 1355, 2205, 1037, 2753, 2575, 650, 2442, 2714, 877, 2715, 2752, 1654, 2237, 2890, 42, 1690, 968, 1664, 2889]. **Sturgeons** [438, 2764, 373, 279]. **sturio** [2061]. **Sturisoma** [2549]. **Stygichthys** [132]. **style** [1881]. **styles** [2846]. **sub** [2356, 1421, 809, 1345, 2242, 350, 474, 2889, 346, 1007, 2478]. **sub-adult** [2889, 346]. **sub-Antarctic** [2356, 2478]. **sub-sampling** [1421]. **sub-species** [2242]. **sub-structuring** [350]. **sub-tidal** [1345]. **sub-tropical** [809, 474, 1007]. **subantarctic** [2932]. **subarctic** [192]. **subfamily** [552].

**subgenus** [1716]. **subject** [2353, 716]. **Sublethal** [2297]. **submerged** [1994, 721]. **submersible** [1630]. **Submissions** [528]. **Suboptimal** [2978]. **subpolar** [221]. **subsea** [876]. **subsequent** [68, 1290]. **subsidence** [1779]. **subsidy** [258]. **subspecies** [1010]. **substances** [2938]. **substantial** [2405]. **substrata** [366, 602]. **Substrate** [1944, 2609, 1911]. **Substratum** [288, 1787, 2174, 1090, 1395]. **substructure** [1143]. **Subsurface** [1805]. **subterranean** [132]. **Subtle** [2151]. **subtractive** [216, 212]. **subtropical** [2025, 1937, 2256, 2018, 3070, 2666, 2188, 2036]. **subunit** [2321, 214]. **subunits** [2943]. **Success** [1777, 2792, 249, 355, 1354, 2846, 873, 546, 455, 2155, 315, 1626, 180, 1038, 481, 2957, 597, 1119, 228, 223, 126]. **Successful** [522, 448, 1093, 2751, 2600]. **successfully** [3078]. **succession** [3000, 2352]. **sucetta** [3083]. **such** [2960]. **sucker** [226, 2055]. **suckermouth** [2563]. **suckers** [53]. **suckleyi** [752]. **Suction** [1408]. **Sufflogobius** [2534, 1370, 1043]. **suggest** [670, 2355]. **suggested** [2108]. **suggests** [365, 2838]. **suitable** [2322, 1958]. **suite** [577]. **Sulawesian** [1139]. **summary** [2693]. **Summer** [2272, 195, 898, 2655, 1260, 705, 203, 165]. **sun** [1790]. **sunfish** [1257, 2441, 21, 1586, 994, 1028, 993, 2337, 2240, 689, 2860]. **sunfishes** [2803, 1790]. **sunlight** [1337]. **superficial** [2086, 1482]. **superimposition** [348]. **superior** [2512]. **supersaturation** [106]. **supper** [3066]. **supplementation** [1488, 1581, 2704, 478, 1282]. **supply** [1469, 318, 936, 1230]. **support** [361, 2844, 1228, 2559, 147, 2960, 1991, 1223, 2377]. **supports** [607, 217]. **suppress** [1376]. **suppresses** [1574]. **suppression** [216, 212]. **Suprelorin** [2819]. **suratensis** [694, 160]. **surf** [1381]. **Surface** [1484, 555, 963, 1310, 2086, 1693, 2648, 425]. **surface-associated** [2648]. **surfacing** [2545]. **surfperch** [552, 1574]. **surgeonfish** [93, 2599, 2713]. **surgeonfishes** [2748]. **Surgical** [602]. **surgically** [853]. **surmuletus** [1952, 1352]. **surrounding** [474]. **surveillance** [942]. **survey** [2880, 1008, 775, 2292, 1214, 3005, 1229, 555]. **surveys** [1415, 2330, 2044, 2648, 2755]. **Survival** [2891, 1502, 1285, 3031, 516, 2607, 1795, 2524, 2219, 943, 1681, 1735, 2181, 3044, 853, 1957, 1543, 1387, 1835, 1423, 2651, 187, 2489, 455, 562, 1001, 1334, 417, 1789, 1240, 1656, 2062, 236, 1562, 2271, 2259, 317, 1692, 869, 2776, 1074, 165, 2486]. **survive** [1323]. **surviving** [945]. **survivorship** [2804, 1102]. **Susan** [2094]. **susanae** [2094]. **susceptibility** [2788, 2415, 2295, 1195, 1624, 1671, 2589, 79, 2605, 1968]. **susceptible** [1916]. **sustainability** [2909, 1776, 2007, 2591, 2904, 2537, 1067, 2906]. **Sustainable** [831, 2898, 1222, 2918, 2899, 820, 2916, 2897, 294, 1228, 1995, 1223]. **Sustained** [1326, 1519, 713, 1336]. **Suthers** [138]. **Sutton** [1266]. **swallower** [3090]. **swallows** [1299]. **swamp** [2313, 1837, 2815, 2150]. **Sweden** [683]. **Swedish** [536, 825]. **sweet** [2172]. **sweetlips** [575]. **swellshark** [2229]. **swim** [1508, 2613]. **swimbladder** [580, 1036]. **swimmer** [2238, 647]. **swimmers** [1251]. **Swimming** [2627, 1327, 1386, 647, 2303, 2663, 448, 1798, 309, 2308, 3031, 610, 820, 2224, 1519, 1491, 2592, 1062, 872, 3003, 2836, 2492, 1416, 1836,

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