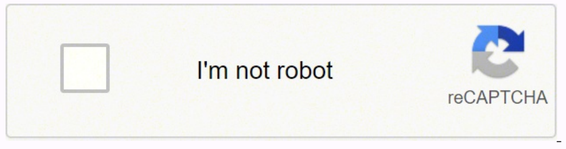

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II. Development. Google Scholar Dupont S, Thorndyke MC. In-depth, high-accuracy proteomics of sea urchin tooth organic matrix. The sea urchin (Strongylocentrotus purpuratus) test and spine proteomes. Wound Repair Regen. 2012;14:428–36.CAS Article PubMed Google Scholar Kaneto S, Wada H. 1997;124:1899–908.CAS PubMed Google Scholar Illies MR, Peeler MT, Dechtiaruk AM, Ettensohn CA. Study of larval and adult skeletogenic cells in developing sea urchin larvae. 2010;58:1581–93.PubMed Google Scholar Ben Khadra Y, Ferrario C, Di Benedetto C, Said K, Bonasoro F, Candia Carnevali MD, Sugni M. Wound healing and arm regeneration in Ophioderma longicaudum and Amphiura filiformis (Ophiuroidea, Echinodermata): comparative morphogenesis and histogenesis. 3rd ed. FGF signals guide migration of mesenchymal cells, control skeletal morphogenesis and regulate gastrulation during sea urchin development. E′) Detail of E. Eighthth ed. Skeletal morphogenesis in the sea urchin embryo: regulation of primary mesenchyme gene expression and skeletal rod growth by ectoderm-derived cues. Regeneration of amphioxus oral cirri and its skeletal rods: implications for the origin of the vertebrate skeleton. Does adult fracture repair recapitulate embryonic skeletal formation? Google Scholar Gage JD. Spicule formation by isolated micromeres of the sea urchin embryo. Prenatal folic acid treatment suppresses acrania and meroanencephaly in mice mutant for Cart1 homeobox gene. 2003;120:241–52.CAS Article PubMed Google Scholar Zhao Q, Behringer RR, de Crombrugghe B. Brockes JP, Kumar A. Examination of the skeletal proteome of the brittle star Ophiocoma wendtii reveals overall conservation of proteins but variation in spicule matrix proteins. 2014;141:950–61.CAS Article PubMed Google Scholar Yajima M, Kiyomoto M. Glia. Nat New Biol. 2007;134:2293–302.CAS Article PubMed Google Scholar Röttinger E, Saudemont A, Duboc V, Besnardeau L, McClay D, Lepage T. 2015;23:623–34.Article PubMed Google Scholar Kondo M, Akasaka K. 1946;10:184.CAS PubMed Google Scholar Guss KA, Ettensohn CA. Interspecific variation of vertebral ossicle morphology in the Ophiuroidea, Echinoderm Research. Localized VEGF signaling from ectoderm to mesenchyme cells controls morphogenesis of the sea urchin embryo skeleton. 2015;400:148–58.CAS Article PubMed Google Scholar Mann K, Wilt FH, Poustka AJ. 1974;93:386–91.CAS Article PubMed Google Scholar Ferretti P, Health C. Zoomorphology. 2012. 2014;217:2411–21.CAS Article PubMed Google Scholar Burns G, Ortega-Martinez O, Thorndyke MC, Peck LS, Dupont S, Clark MS. 2014;112:1–12.McCauley BS, Wright EP, Exner C, Kitazawa C, Hinman VF. Google Scholar Brusca RC, Moore W, Shuster SM. Google Scholar O'Hara T, Hugall A, Thuy B, Moussalli A. 1998;199:11–25.Article PubMed Google Scholar Brouwer A, ten Berge D, Wiegerinck R, Meijlink F. Dev Genes Evol. 2010;8:33.Article PubMed PubMed Central Google Scholar Mann K, Poustka AJ, Mann M. 2006;209:3873–81.Article PubMed Google Scholar Hu MY, Casties I, Stumpp M, Ortega-Martinez O, Dupont S. Proteomic analysis of sea urchin (Strongylocentrotus purpuratus) spicule matrix. Proc Natl Acad Sci U S A. 2000;97:12127–31.Gierer A, Berking S, Bode H, David CN, Flick K, Hansmann G, Schaller H, Trenkner E. 1929;124:760–1.Article Google Scholar Gorzelak P, Stolarski J, Dubois P, Kopp C, Meibom A. 2008;105:5955–62.CAS Article PubMed PubMed Central Google Scholar Wilt FH, Ettensohn CA. Regeneration in Echinoderms: repair, regrowth, cloning. 1975;145:51–71.CAS Article PubMed Google Scholar Reinardy HC, Emerson CE, Manley JM, Bodnar AG. Comparative aspects of animal regeneration. 1997;183:108–21.CAS Article PubMed Google Scholar Metsaranta M, Toman D, De CB, Vuorios E. Dev Dyn. 2008;105:6091–6.CAS Article PubMed PubMed Central Google Scholar Gao F, Thompson JR, Petsios E, Erkenbrack E, Moats RA, Bottjer DJ, Davidson EH. 2011;176:119–26.CAS Article PubMed Google Scholar Heatfield BM, Travis DF. Google Scholar Candia Carnevali MD. J Struct Biol. Expression of vascular endothelial growth factors and their receptors during osteoblast differentiation. Banyuls-sur-mer: Proceedings 6th European Conference Echinoderm Research; 2003. Development of an embryonic skeletogenic mesenchyme lineage in a sea cucumber reveals the trajectory of change for the evolution of novel structures in echinoderms. Google Scholar Wilt FH, Killian CE, Livingston BT. 2014;24:1874–9.Article PubMed Google Scholar Byrne M. J Exp Zool Part B Mol Dev Evol. Regeneration of Hydra from reaggregated cells. Evol Dev. Chichester: Wiley; 2013. 2003;71:237–50.CAS Article PubMed Google Scholar Oliveri P, Tu Q, Davidson EH. B–E) Oral view of fixed arms at stages 2 (B), 3 (C), 4 (D) and 5 (E) shown using differential interference contrast (DIC) microscopy. Development of calcareous skeletal elements in invertebrates. Biol Bull. 1991;266(25):16862–9.Meldal M, Tornoe CW. Organization of glial cells in the adult sea cucumber central nervous system. Proteome Sci. Google Scholar Irimura S, Fujita T. Trichrome stain for formalin-fixed tissue. Chem Rev. Nature. Sunderland: Sinauer Associates Inc.; 2016. Dev Growth Differ. 2003;226:308–16.CAS Article PubMed Google Scholar Montgomery JR, Coward SJ. Endocrinology. 2008;135:483–91.CAS Article PubMed Google Scholar Deckers MM, Karperien M, van der Bent C, Yamashita T, Papapoulos SE, Löwik CW. Large-scale gene expression study in the ophiuroid Amphiura filiformis provides insights into evolution of gene regulatory networks. 2010;52:57–68.CAS Article PubMed Google Scholar Biressi ACM, Zou T, Dupont S, Dahlberg C, Di Benedetto C, Bonasoro F, Thorndyke M, Carnevali MDC. 1972;239:98–101.Agata K, Tanaka T, Kobayashi C, Kato K, Saitoh Y. 1999;87:57–66.CAS Article PubMed Google Scholar Yang Y. Evodevo. 2011;316B:409–17.Article Google Scholar Ferguson C, Alpern E, Miclau T, Helms JA. 2000;141:1667–74.CAS Article PubMed Google Scholar Morino Y, Koga H, Tachibana K, Shoguchi E, Kiyomoto M, Wada H. Intercalary regeneration in planarians. J Morphol. Growth or differentiation? In: Rosen CJ, editor. 2008;40:351–72.Article PubMed Google Scholar Mashanov VS, Zueva OR, Garcia-Arraras JE. 2010;129:1–19.Stöhr S, O'Hara TD, Thuy B. FGF signaling regulates mesenchymal differentiation and skeletal patterning along the limb bud proximodistal axis. Cell types with spherules. C′) Detail of C focusing on dermal layer. Transcriptomic and proteomic analyses of Amphiura filiformis arm tissue-undergoing regeneration. Primer on the metabolic bone diseases and disorders of mineral metabolism. 1983;206:295–306.CAS Article PubMed Google Scholar Hamburger V, Hamilton H. Global diversity of brittle stars (Echinodermata: Ophiuroidea). 2006;211:183–92.Article PubMed Google Scholar Gao F, Davidson EH. Mouse Alx3: an aristaless-like homeobox gene expressed during embryogenesis in ectomesenchyme and lateral plate mesoderm. J Biol Chem. J Exp Mar Bio Ecol. Regeneration in crinoids. Google Scholar Rafiq K, Shashikant T, McManus CJ, Ettensohn CA. 2012;3:17.Article PubMed PubMed Central Google Scholar Dylus DV, Czarkwiani A, Stångberg J, Ortega-Martinez O, Dupont S, Oliveri P. Handb Biominer Biol Asp Struct Form. Skeletal morphogenesis and embryonic development. J Mar biol Ass UK. 2008;1:182–210. 2015;10, e0133860.Article PubMed PubMed Central Google Scholar Mashanov VS, Zueva OR, Heinzeller T. Dev Biol. Expression of skeletogenic genes during arm regeneration in the brittle star Amphiura filiformis. Annu Rev Cell Dev Biol. PLoS One. J Proteomics. Trans Am Microsc Soc. J Exp Biol. 2006;3:64–76. A series of normal stages in the development of the chick embryo. 2013;140:4214–25.CAS Article PubMed Google Scholar Yu K, Ornitz DM. 1975;15:567–81. Differentiation. Arrows - the dermal layer, asterisk - cuticle, D - distal, L - left, OV - oral view, P - proximal, R - right, RWC - radial water canal, S - spicule Tissue regeneration and biomineralization in Sea Urchins: role of notch signaling and presence of stem cell markers. SOX9 binds DNA, activates transcription, and coexpresses with type II collagen during chondrogenesis in the mouse. Skeletal growth bands in brittle stars: microstructure and significance as age markers. Mouse type 1 collagen gene. Regeneration of vertebrate appendages, eLS. 1996;13:275–83.CAS Article PubMed Google Scholar Young HE, Bailey CF, Dalley BK. 2008;135:353–65.Article PubMed Google Scholar Adomako-Ankomah A, Ettensohn CA. 1994. Growth factor-mediated mesodermal cell guidance and skeletogenesis during sea urchin gastrulation. Curr Biol. 2015;13:1–12.Okazaki K. A) Schematic diagram of early arm regeneration stages and average timing to those stages, based on morphological landmarks. Global regulatory logic for specification of an embryonic cell lineage. Ultrastructural studies of regenerating spines of the sea urchin Strongylocentrotus purpuratus. Energy metabolism and regeneration are impaired by seawater acidification in the infaunal brittlestar Amphiura filiformis. 2002;212:419–31.Seaver RW, Livingston BT. Dynamic gene expression profiles during arm regeneration in the brittle star Amphiura filiformis. Transfer of a large gene regulatory apparatus to a new developmental address in echinoid evolution. Regeneration of the radial nerve cord in a holothurian: a promising new model system for studying post-traumatic recovery in the adult nervous system. Genome-wide analysis of the skeletogenic gene regulatory network of sea urchins. 1992;88:231–72.Article Google Scholar Milligan M. Heterochronic activation of VEGF signaling and the evolution of the skeleton in echinoderm pluteus larvae. 2008;24:525–49.CAS Article PubMed Google Scholar Technau U, Cramer von Laue C, Rentzsch F, Luft S, Hobmayer B, Bode HR, Holstein TW. Invertebrates. Integr Comp Biol. 1990;70:209–24.Article Google Scholar Duloquin L, Lhomond G, Gache C. 2016;7:2.Czarkwiani A, Dylus DV, Oliveri P. 2008;6:33.Article PubMed PubMed Central Google Scholar Mann K, Poustka AJ, Mann M. On the minimal size of a planarian capable of regeneration. Adaptive regeneration in the brittlestar Amphiura filiformis. doi:10.1371/journal.pone.0031940. Am J Clin Pathol. Regeneration of spines in Echinus esculentus. Ames: Wiley; 2013. 1–7. The Morphogenesis and Biomineralization of the Sea Urchin Larval Skeleton. Stage 2-regenerative bud formation. Invertebr Surviv J. 2011;407:315–22.Purushothaman S, Saxena S, Meghah V, Swamy CVB, Ortega-Martinez O, Dupont S, et al. Stage 4-appearance of first metameric units (arm segments). Identification and developmental expression of new biomineralization proteins in the sea urchin Strongylocentrotus purpuratus. Stage 1-wound healing and re-epithelialization. Re-growth, morphogenesis, and differentiation during starfish arm regeneration. 2008;108:2952–3015.CAS Article PubMed Google Scholar Page 2Early stages of arm regeneration in the brittle star Amphiura filiformis. 26Mg labeling of the sea urchin regenerating spine: Insights into echinoderm biomineralization process. 247–343. Juvenile skeletogenesis in anciently diverged sea urchin clades. Ophiuroidea, Microscopic anatomy of invertebrates. The OAR/aristaless domain of the homeodomain protein Cart1 has an attentuating role in vivo. Phylogenomic resolution of the class Ophiuroidea unlocks a global microfossil record. Mech Dev. 2008;6:22.Article PubMed PubMed Central Google Scholar Chadwick HC. Tissue Cell. 161–7. Gross morphological analysis of limb regeneration in postmetamorphic adult Ambystoma. Stage 3-appearance of the radial water canal, coelomic cavities (aboral coelomic canal, ectoneural and hyponeural sinuses) and radial nerve in the regenerative bud. 1–14.Chapter Google Scholar Ng LJ, Wheatley S, Muscat GE, Conway-Campbell J, Bowles J, Wright E, Bell DM, Tam PP, Cheah KS, Koopman P. 2013;13:464–72.CAS Article PubMed PubMed Central Google Scholar ten Berge D, Brouwer A, el Bahi S, Guénet JL, Robert B, Meijlink F. Parameters of self-organization in Hydra aggregates. Nat Genet. Anat Rec. Gene Expr Patterns. Stage 5-advanced extension of arm, formation of several metameric units at proximal end. Cu-catalyzed azide - Alkyne cycloaddition. p. D′) Detail of D.

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