

Biology Hsa Study Guide

Piwi-interacting RNA Cell. July 2006. 1016/j. tissues were considered to derive from non-coding RNA fragments. cell. doi:10. 126 (2): 223–225. piRNAs form RNA-protein complexes through interactions with piwi-subfamily Argonaute proteins. These piRNA complexes are mostly involved in the epigenetic and post-transcriptional silencing of transposable elements and other spurious or repeat-derived transcripts, but can also be involved in the regulation of other genetic elements in germ line cells.

“Molecular Biology Select” 07 Piwi-interacting RNA (piRNA) is the largest class of small non-coding RNA molecules expressed in animal cells. 2006 2a485fd135

White-cheeked barbet 67. (Capitonidae: Piciformes) at Periyar The white-cheeked barbet or small green barbet (*Psilopogon viridis*) is a species of Asian barbet found in southern India. A. 4269/ajtmh. S. Yahya, H. PMID 5812658. (1988). Like all other Asian barbets, they are mainly frugivorous (although they may sometimes eat insects), and use their bills to excavate nest cavities in trees. 67–80. 18. doi:10. The brown-headed barbet has an orange eye-ring but the calls are very similar and the two species occur together in some of the drier forests to the east of the Western Ghats. “Breeding biology of Barbets, *Megalaima* spp. It is very similar to the more widespread brown-headed barbet (or large green barbet, *Psilopogon zeylanicus*), but this species has a distinctive supercilium and a broad white cheek stripe below the eye and is found in the forest areas of the Western Ghats, parts of the Eastern Ghats and adjoining hills. 1969 2a485fd135

MicroRNA For example, the pre-miRNAs hsa-mir-194-1 and hsa-mir-194-2 lead to an identical mature miRNA (hsa-miR-194) but are from genes located in different Micro ribonucleic acid (microRNA, miRNA, μ RNA) are small, single-stranded, non-coding RNA molecules containing 21–23 nucleotides. dash-number suffix. Found in plants, animals, and even some viruses, miRNAs are involved in RNA silencing and post-transcriptional regulation of gene expression. miRNAs base-pair to complementary sequences in messenger RNA (mRNA) molecules, then silence said mRNA molecules by one or more of the following processes: 2a485fd135

Species It is the basic unit of classification and a taxonomic rank of an organism, as well as a unit of biodiversity. 7 million. About 14% of these had been described by 2011. UniProt employs an “organism mnemonic” of not more than five alphanumeric A species (pl. species) is often defined as the largest group of organisms in which any two individuals of the appropriate sexes or mating types can produce fertile offspring, typically by sexual reproduction. The first part of a binomen. The most recent rigorous estimate for the total number of species of eukaryotes is between 8 and 8. sapiens is simply hsa. In addition, palaeontologists use the concept of the chronospecies since fossil reproduction cannot be examined. limited number of organisms; in this code, for example, H. Other ways of defining species include their karyotype, DNA sequence, morphology, behaviour, or ecological niche. All species (except viruses) are given a two-part name, a "binomen" 2a485fd135

White-throated kingfisher (Linn. Yahya, HSA; Yasmin, Shahla (1991). 92 (1): 121. “Earthworms in the dietary of the Whitebreasted Kingfisher The white-throated kingfisher (*Halcyon smyrnensis*) also known as the white-breasted kingfisher is a tree kingfisher, widely distributed in Asia from the Sinai east through the Indian subcontinent to China and Indonesia. It can often be found well away from water where it feeds on a wide range of prey that includes small reptiles, amphibians, crabs, small rodents and even birds.)” During the breeding season they call loudly in the mornings from prominent perches including the tops of buildings in urban areas or on wires. Journal of the Bombay Natural History Society. This kingfisher is a resident over much of its range, although some populations may make short distance movements 2a485fd135

Along with Sidney Dillon Ripley he wrote the landmark ten volume Handbook of the Birds of India and Pakistan, a second edition of which was completed after his death. He was awarded the Padma... 2a485fd135 Reducing translation of the mRNA into proteins. 2a485fd135 Destabilizing the mRNA by shortening its poly(A) tail. 2a485fd135 It was formerly treated as a race of the crimson-fronted barbet (*Psilopogon rubricapillus*). It overlaps in some places with the range of the coppersmith barbet (*Psilopogon haemacephala*) and has a similar but more rapid call. 2a485fd135 Cleaving the mRNA strand into two pieces. 2a485fd135

Malabar barbet HSA (1990) Dietary requirement of Crimson Throated Barbet. Zoos' Print Journal 5(11):7 Yahya, HSA (1980) A comparative study of ecology and biology of The Malabar barbet (*Psilopogon malabaricus*) is an Asian barbet native to the Western Ghats in India 2a485fd135

MIRN21 microRNA 21 also known as hsa-mir-21 or miRNA21 is a mammalian microRNA that is encoded by the MIR21 gene. MIRN21 was one of the first mammalian microRNAs microRNA 21 also known as hsa-mir-21 or miRNA21 is a mammalian microRNA that is encoded by the MIR21 gene 2a485fd135

Hematophagy Hedges, Lauren M. The spider *Evarcha culicivora* feeds indirectly on vertebrate blood by specializing on blood-filled female mosquitoes as their preferred prey. (2021). Since blood is a fluid tissue rich in nutritious proteins and lipids that can be taken without great effort, hematophagy is a preferred form of feeding for many small animals, such as worms and arthropods. , *Hirudo medicinalis*) are hematophagous. Some intestinal nematodes, such as Ancylostomatids, feed on blood extracted from the capillaries of the gut, and about 75 percent of all species of leeches (e. ; Zhang, Guangmei; et al. Commun Biol Hematophagy (sometimes spelled haematophagy or hematophagia) is the practice by certain animals of feeding on blood (from the Greek words αἷμα haima "blood" and φαγεῖν phagein "to eat"). Some fish, such as lampreys and candirus; mammals, especially vampire. g. “Human blood microRNA hsa-miR-21-5p induces vitellogenin in the mosquito *Aedes aegypti*” 2a485fd135

In cells of humans and other animals, miRNAs primarily act by destabilizing the mRNA. 2a485fd135 miRNAs resemble the small interfering RNAs (siRNAs) of the RNA interference (RNAi) pathway, except miRNAs derive from regions of RNA transcripts... 2a485fd135

Camptothecin Four CPT analogues. CPT showed anticancer activity in preliminary clinical trials, especially against breast,

ovarian, colon, lung, and stomach cancers. Wani in systematic screening of natural products for anticancer drugs. It was isolated from the bark of *Camptotheca acuminata* (□□ "Happy tree"), a tree native to China used in traditional Chinese medicine. It has been used clinically in China for the treatment of gastrointestinal tumors. However, it has low solubility and adverse effects have been reported when used therapeutically, so synthetic and medicinal chemists have developed numerous syntheses of camptothecin and various derivatives to increase the benefits of the chemical, with good results. C. E. Wall and M. It was discovered in 1966 by M. Studies have shown that substitution at position 7, 9 Camptothecin (CPT) is a topoisomerase inhibitor. Reduced drug-HSA interactions could result in improved activity. driven toward the carboxylate 2a485fd135

Salim Ali 2 (6): 4–5. "Transcript of an interview with Salim Ali". Newsletter for Birdwatchers. Ali (1985):15 Ali (1985):30 Yahya, HSA (1996). He became a key figure behind the Bombay Natural History Society after 1947 and used his personal influence to garner government support for the organisation, establish the Bharatpur bird sanctuary (Keoladeo National Park) and prevent the destruction of what is now the Silent Valley National Park in Kerala. Sometimes referred to as the "Birdman of India", Salim Ali was the first Indian to conduct systematic bird surveys across India and wrote several bird books that popularized ornithology in India. Newsletter for Birdwatchers Sálím Moizuddin Abdul Ali (12 November 1896 – 20 June 1987) was an Indian ornithologist and naturalist 2a485fd135

piRNAs are mostly created from loci that function as transposon traps which provide a kind of RNA-mediated adaptive immunity against transposon expansions and invasions. They are distinct from microRNA (miRNA) in size (26–31 nucleotides as opposed to 21–24 nt), lack of sequence conservation, increased complexity, and independence of Dicer... 2a485fd135

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