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In roses (*Rosa x hybrida*), scent is a highly desirable trait. Monoterpenes are the major rose scent compounds, representing up to 70% of the fragrance content in some

varieties. Combined transcriptomic and genetic approaches show that monoterpene biosynthesis in roses differs from what is known in other plants and involves a specialized Nudix hydrolase protein localized in the cytoplasm of rose petal cells. See pages 28 and 81. Photo: © Beneta Markaityte/National Geographic My Shot/National Geographic



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