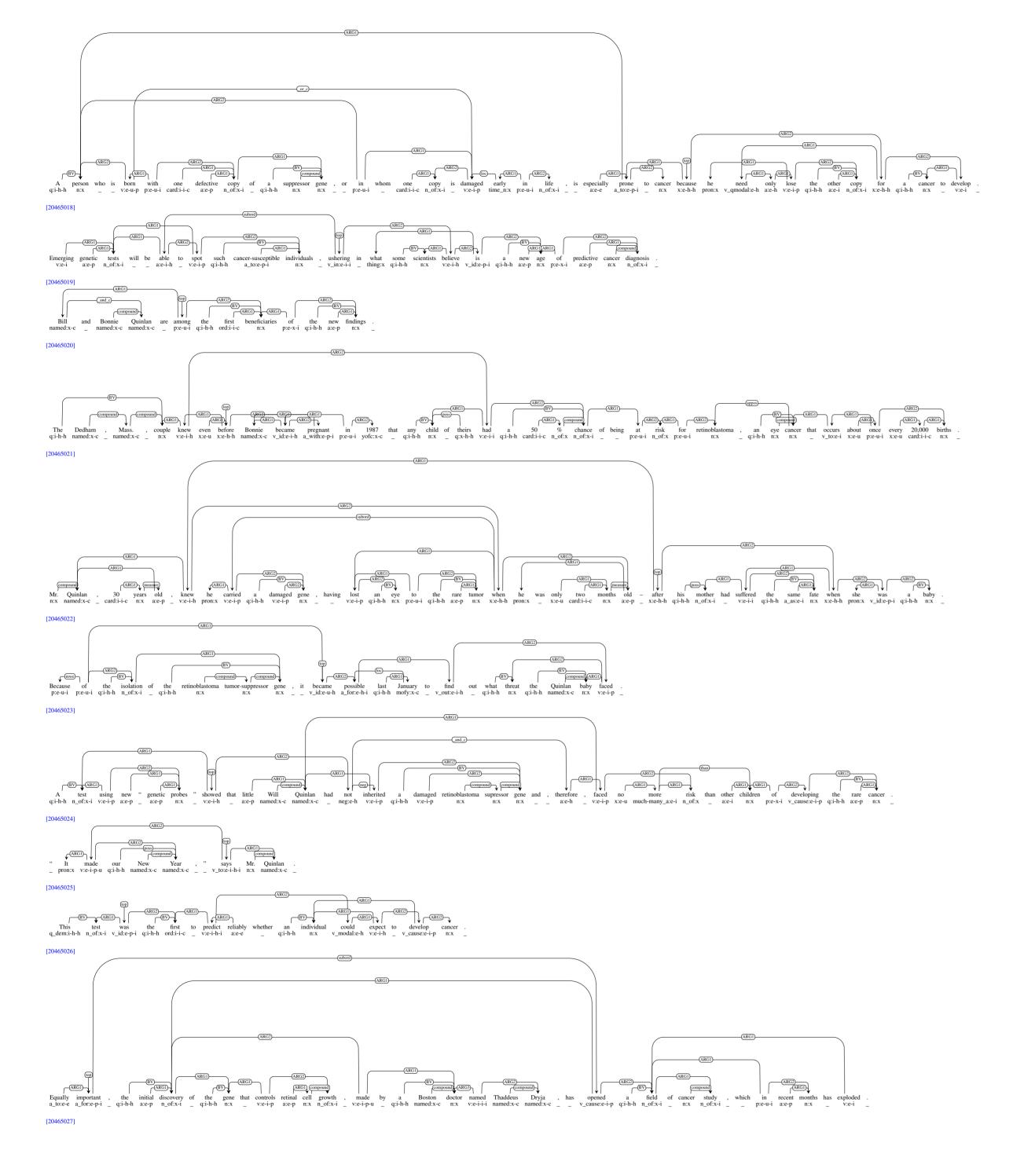
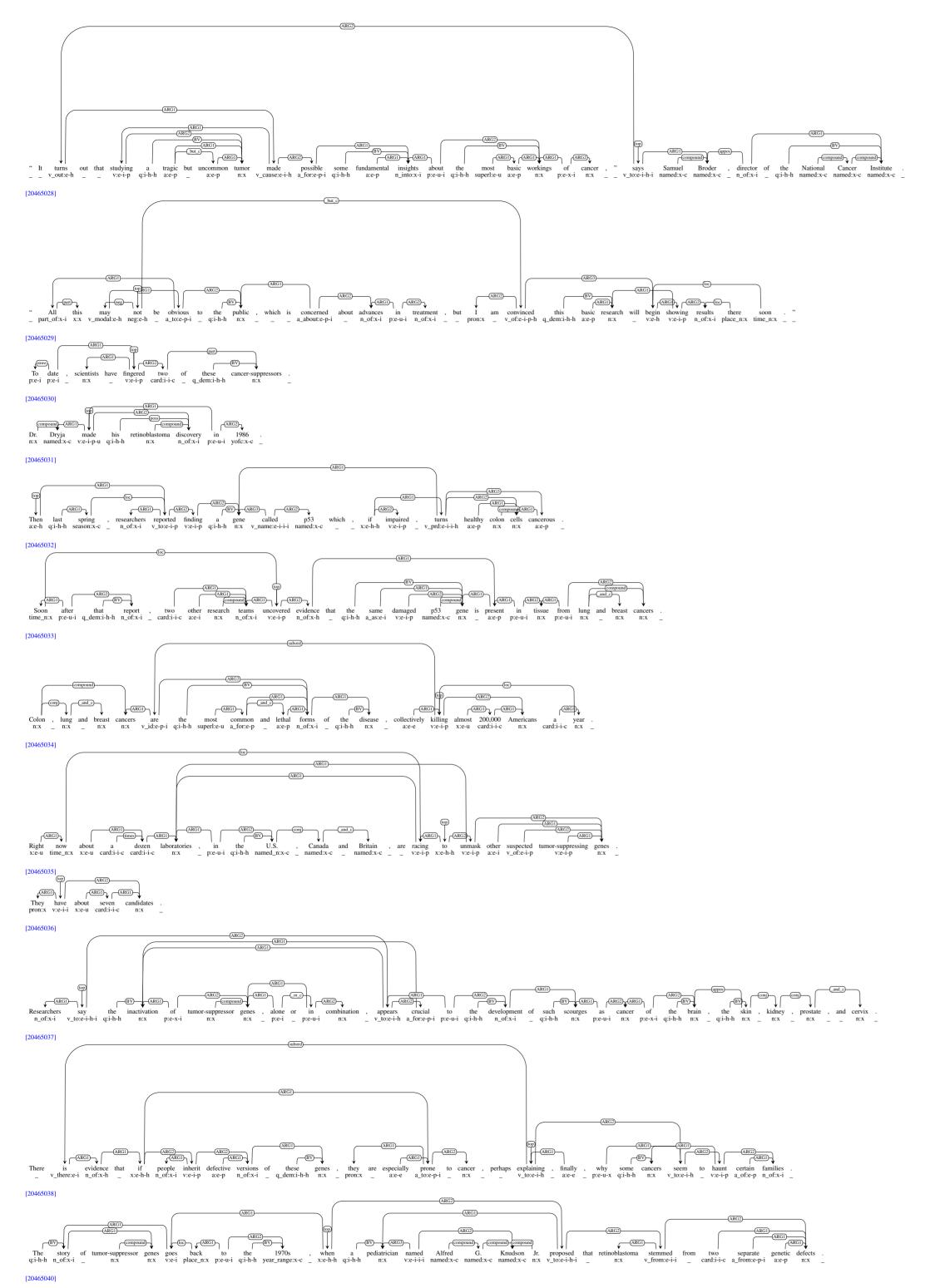
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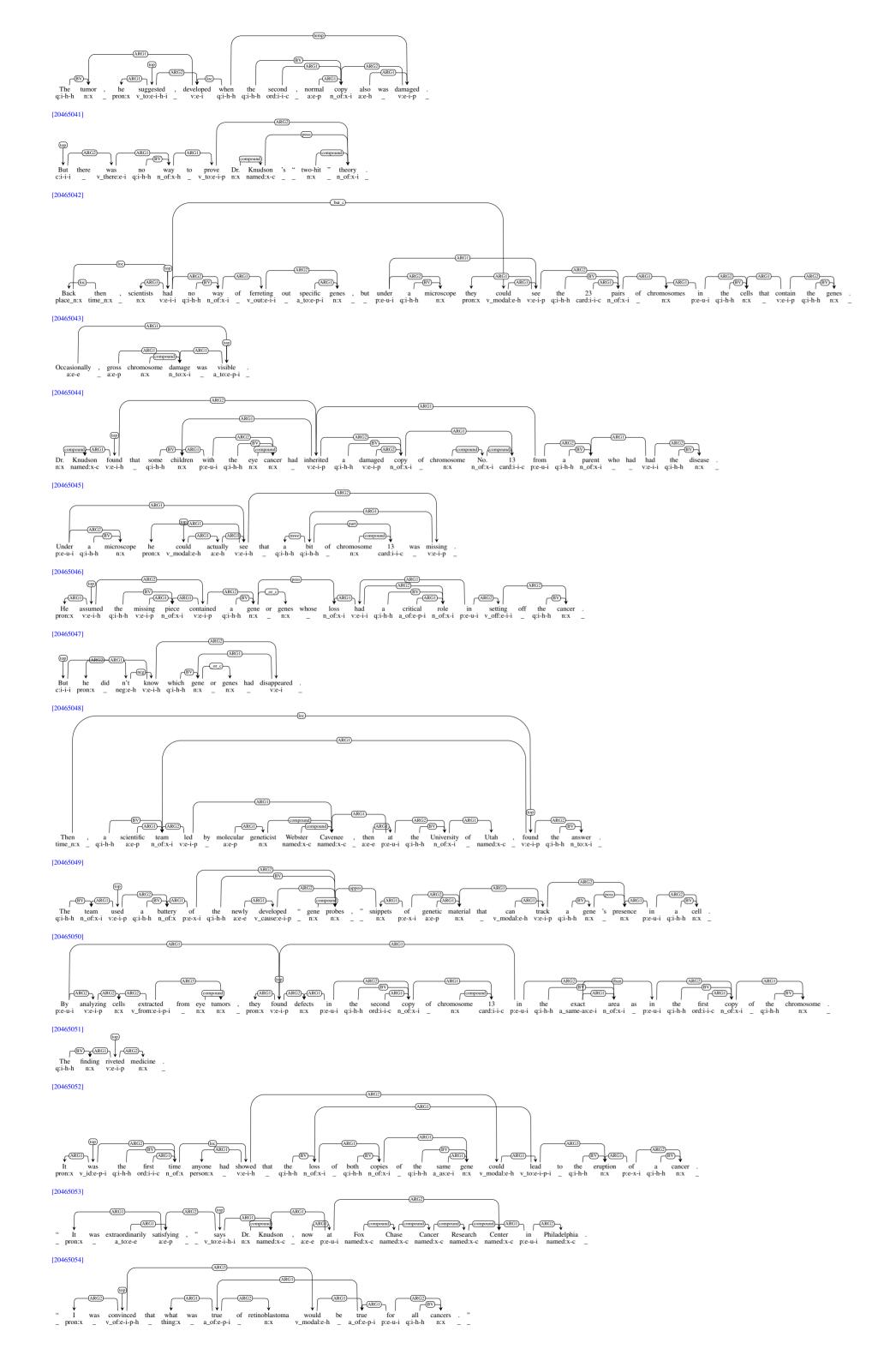
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are starting to uncover a handful of genes which , if damaged , unleash the chaotic growth of cells that characterizes cancer .

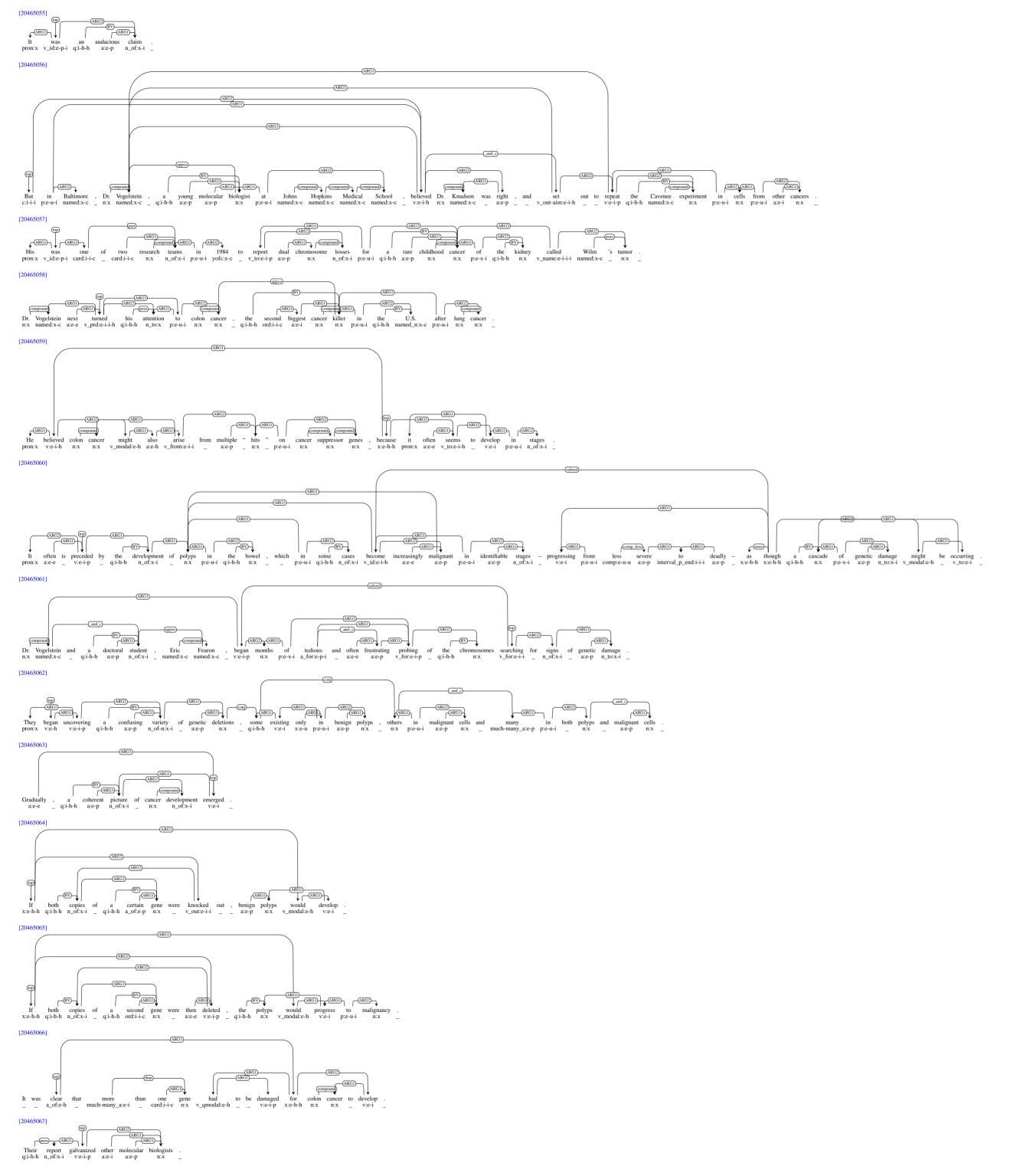
- v:e-h - v:e-i-p q:i-h-h n_of:x-i - n:x - v:e-i-p n:x 
           Scientists say the discovery of these genes in recent months is painting a new and startling picture of how cancer developed n:x v_to:e-i-h-i q:i-h-h n_of:x-i _ q_dem:i-h-h n:x p:e-u-i a:e-p n:x _ v:e-i-p q:i-h-h a:e-p _ v:e-i-p n_of:x-i _ unspec_manner:e-u-x n:x v:e-i
An emerging understanding of the genes is expected to produce an array of new strategies for future cancer treatment and prevention . q:i-h-h v:e-i-i n_of:x-i _ q:i-h-h n:x _ v:e-i-h _ v:e-i-p q:i-h-h n:x p:e-x-i a:e-p n_of:x-i p:e-u-i a:e-p n:x n_of:x-i _ n:x _ v:e-i-h _ v:e-i-p q:i-h-h n:x _ v:e-i-p q:i-h
       That is for the future x:x _ p:e-u-i q:i-h-h n:x _
                                                                   scientists are developing tests based on the newly identified genes that n:x _ v_cause:e-i-p n_of:x-i v:e-i-p-h p:e-u-i q:i-h-h a:e-e v:e-i-p n:x _
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for the first time , can predict whether an otherwise healthy individual is likely to get cancer p:e-u-i q:i-h-h ord:i-i-c n_of:x _ v_modal:e-h v:e-i-h-i _ q:i-h-h a:e-e a:e-p n:x _ a:e-h _ v:e-i-i n:x
                                                              's a super-exciting set of discoveries , " says Bert Vogelstein , a Johns Hopkins University researcher who has just found a gene pivotal to the triggering of colon cancer v_id:e-p-i q:i-h-h a:e-p n_of:x-i _ n
                                                      a decade ago cancer was a black box about which we knew nothing at the molecular level card:i-i-c n:x p:e-i-u n:x v_id:e-p-i q:i-h-h n:x n_of:x-i _ _ _ pron:x v_about:e-i-p-i thing:x p:e-u-i q:i-h-h a:e-p n:x
                                                                    we know that the accumulation of several of these altered genes can initiate a cancer and the pron: v:e-i-h q:i-h-h n_of:x-i a:e-p q_dem:i-h-h v:e-i-p n:x v_modal:e-h v_into:e-i-p q:i-h-h n:x _ a:e-e v:e-i-p pron:x p:e-u-i q:i-h-h a:e-p n_of:x-i _
    When functioning normally they make proteins that hold a cell 's growth in check x:e-h-h v:e-i a:e-e pron:x v:e-i-p-u n:x v:e-i-p q:i-h-h n:x n_of:x-i p:e-u-i n_of:x -
 The newly identified genes differ from a family of genes discovered in the early 1980s called oncogenes q:i-h-h a:e-e v:e-i-p n:x v_from:e-i-i _ q:i-h-h n_of:x-i _ n:x v:e-i-p p:e-u-i q:i-h-h a:e-p year_range:x-c v_name:e-i-i-i n:x
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ARG3)
(ARG1)
(ARG1)
(ARG1)
                                                                                                                                                                             (ARG1) (ARG2) (ARG2)
    In recent months , researchers have come to believe the two types of cancer genes work in concert : An oncogene may turn proliferating cells malignant only after the tumor-suppressor gene has been damaged pre-u-i ace-p n:x _ n_of:x-i _ v:e-i-h _ 
                                                                                                                                      (ARG1)
 Like all genes , tumor-suppressor genes are inherited in two copies , one from each parent .

n:x v:e-i-p p:e-u-i card:i-i-c n_of:x-i _ n:x p:e-u-i q:i-h-h n_of:x-i _
 Either copy can make the proteins needed to control cell growth , so for cancer to arise , both copies must be impaired q:i-h-h n_of:x-i v_modal:e-h v:e-i-p-u q:i-h-h n_of:x-i v_modal:e-h v:e-i-p x:e-h-h v:
```



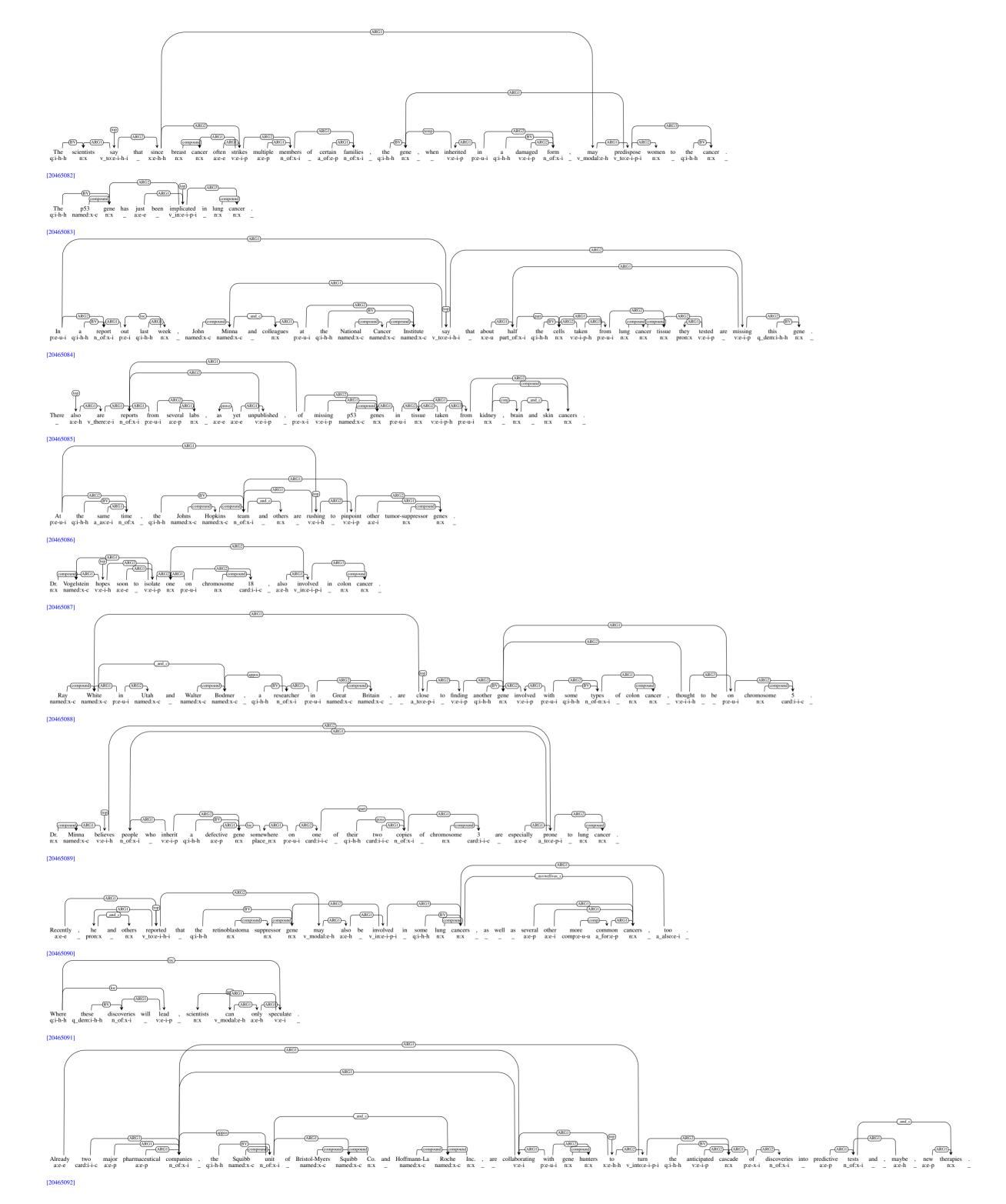






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