

```
belcher_results %>%  
  tidyr::separate_rows(response) %>%  
  dplyr::mutate(identify = 1,  
               resp_id = as.character(resp_id))
```

```
#> # A tibble: 582 x 3  
#>   resp_id response identify  
#>   <chr>    <chr>      <dbl>  
#> 1 1      Linda      1  
#> 2 1      Tina      1  
#> 3 1      Louise     1  
#> 4 2      Bob       1  
#> 5 2      Gene      1  
#> 6 3      Bob       1  
#> 7 3      Tina      1  
#> 8 3      Gene      1  
#> 9 4      Bob       1  
#> 10 4     Linda     1  
#> # ... with 572 more rows
```

```
belcher_results %>%
  tidyr::pivot_wider(
    names_from = response,
    values_from = identify,
    values_fill = list(identify = 0)
  )
```

resp_id	response	identify
<int>	<chr>	<dbl>
1	Linda	1
1	Tina	1
1	Louise	1
2	Bob	1
2	Gene	1
3	Bob	1

resp_id	Linda	Tina	Louise	Bob	Gene
<int>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
1	1	1	1	0	0
2	0	0	0	1	1
3	0	1	0	1	1
4	1	1	1	1	1
5	0	0	0	1	0
6	0	0	1	0	0