

```
#define REACTION(name) \  
const reaction<name>& r##name = _model.reaction_##name; \  
for (int j = 0; j < r##name.getNumInputs(); j++) { \  
    specie_deltas[inputs_##name[j]] -= reaction_rates[name]*in_counts_##name[j]; \  
} \  
for (int j = 0; j < _model.reaction_##name.getNumOutputs(); j++) { \  
    specie_deltas[outputs_##name[j]] += reaction_rates[name]*out_counts_##name[j]; \  
} \  
#include "reactions_list.hpp" \  
#undef REACTION
```