Summary

September 22, 2016

Contents
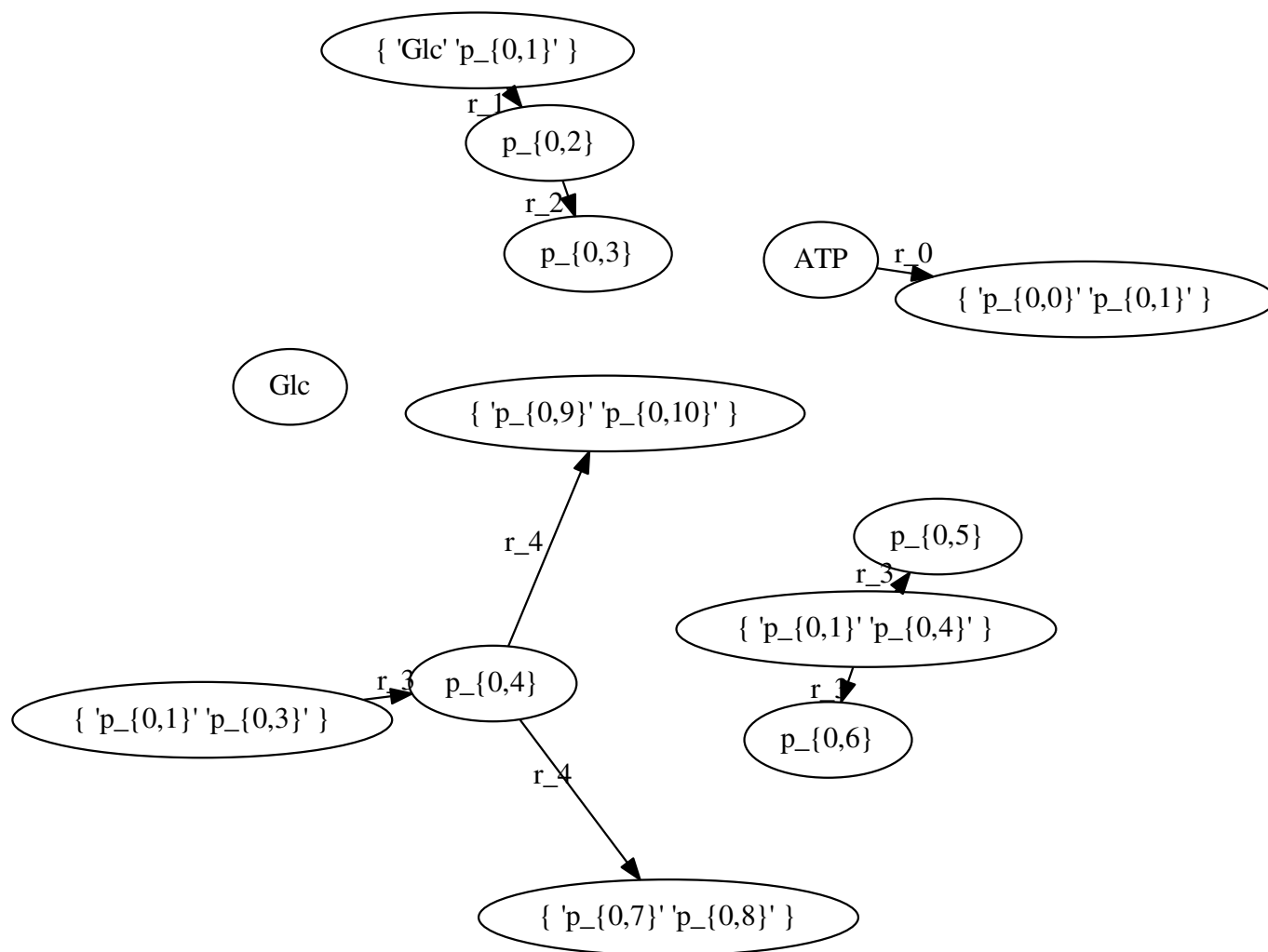
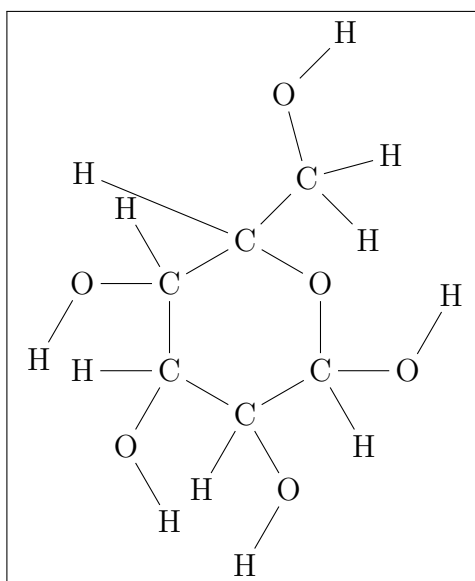### 0.0.1 DG Hyper, `dg_0`

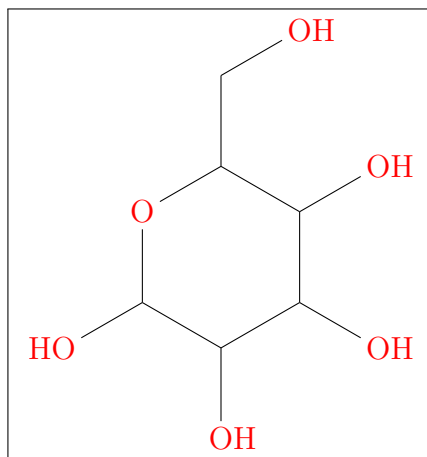File: `out/014_dg_0_1110`

0.0.2 DG NonHyper, `dg_0`

File: out/015_dgNonHyper_0

0.1 Input Molecules

0.1.1 `Glc`
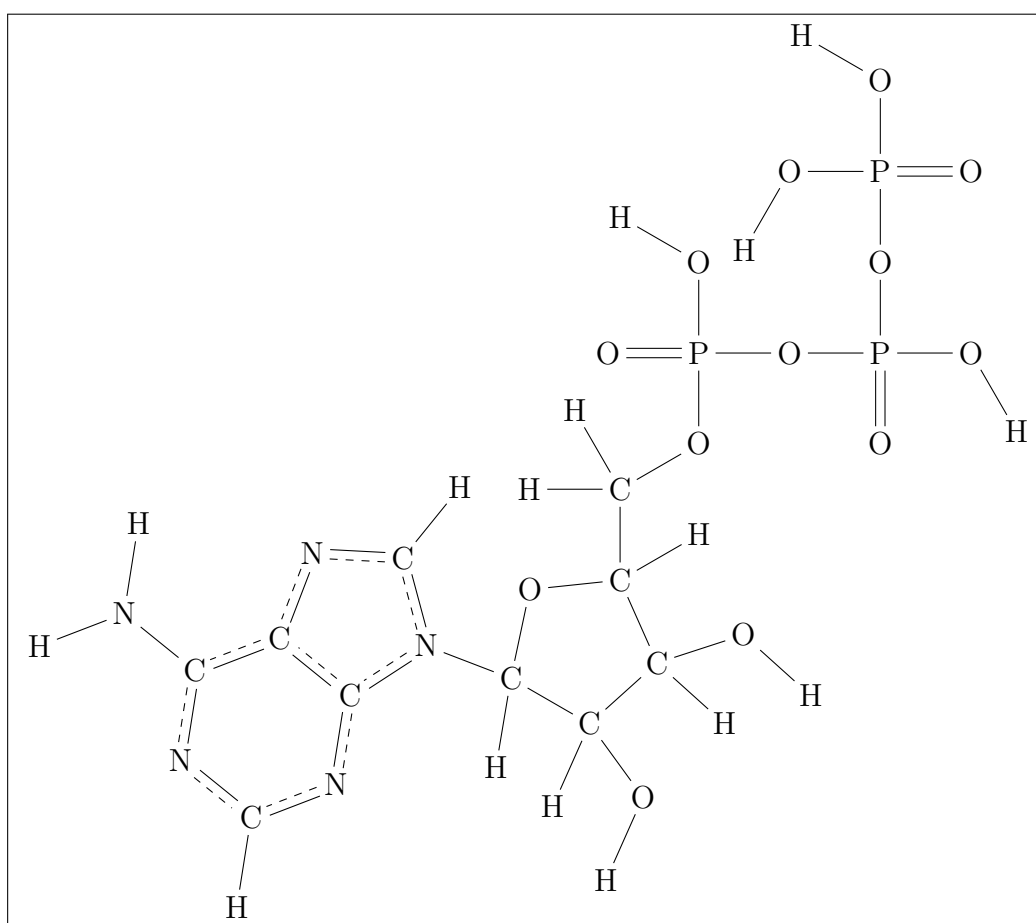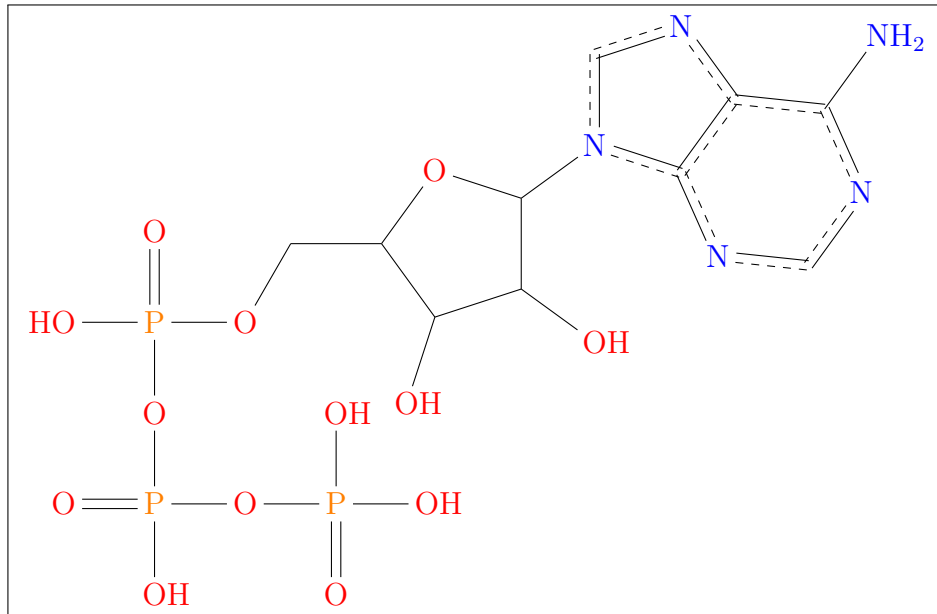

File: out/001_g_0_10100000

File: `out/001_g_0_11110100`

0.1.2 ATP

File: `out/002_g_1_10100000`

File: `out/002_g_1_11110100`
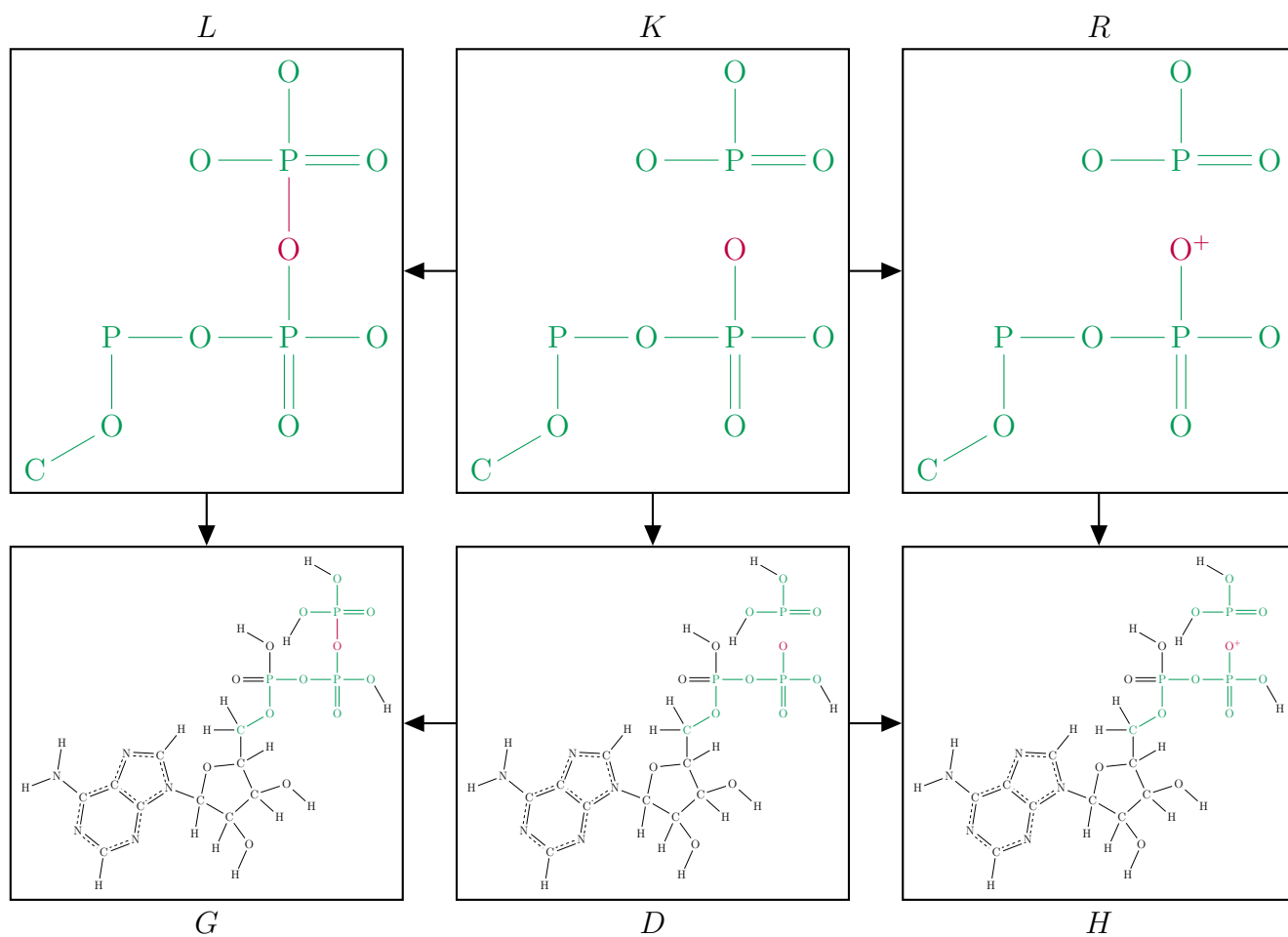
0.2 Rule

0.3 Product Molecules

0.4 Derivations
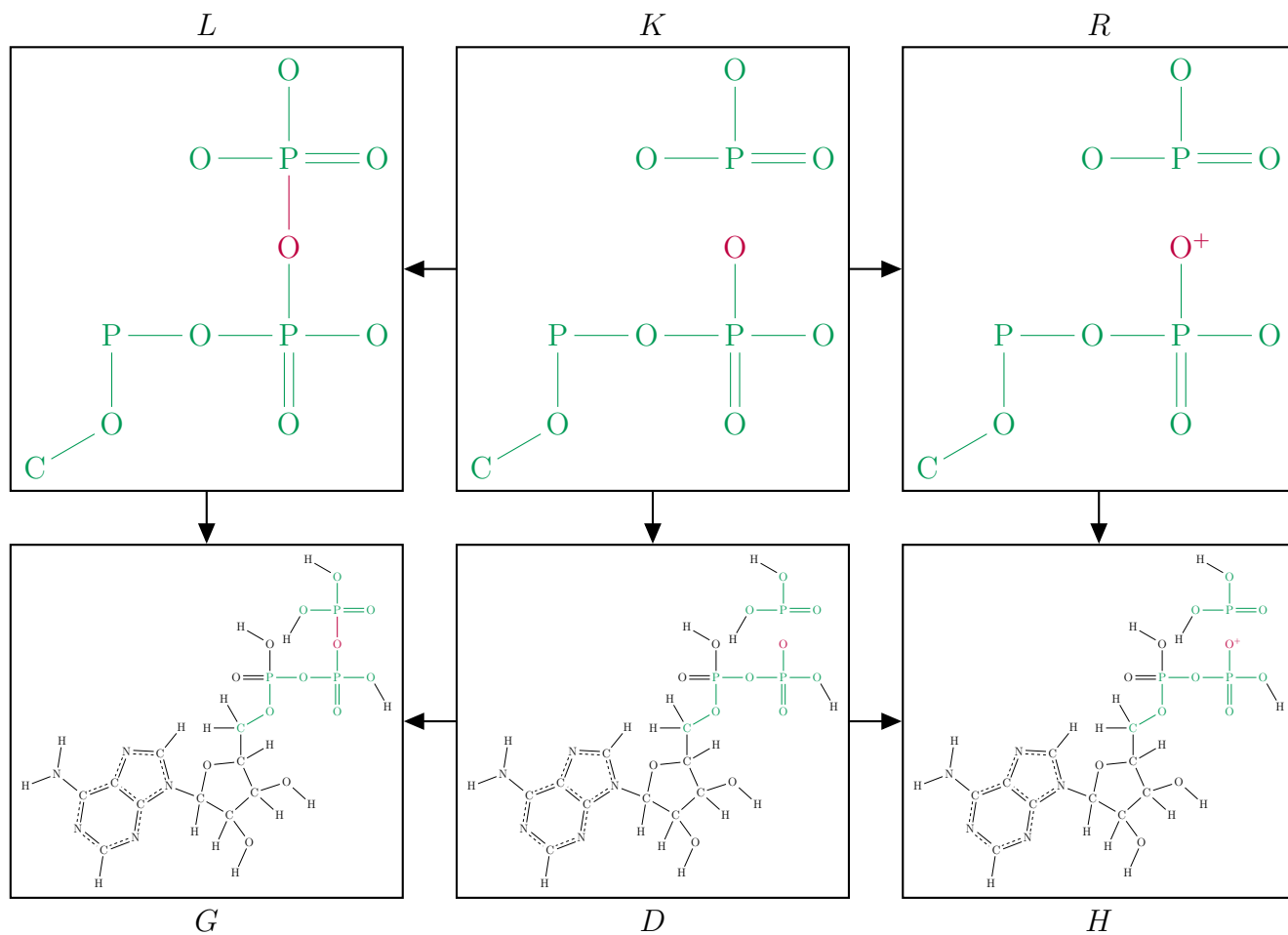
0.5 Derivation 4, {ATP} -> {$p_{0,0}$, $p_{0,1}$})

0.5.1 Match

Files: out/018_r_36_10100000_0_{derL,derK,derR}
Files: out/019_r_36_10100000_0_{derG,derD,derH}

0.5.2 Match

Files: out/020_r_36_10100000_1_{derL,derK,derR}
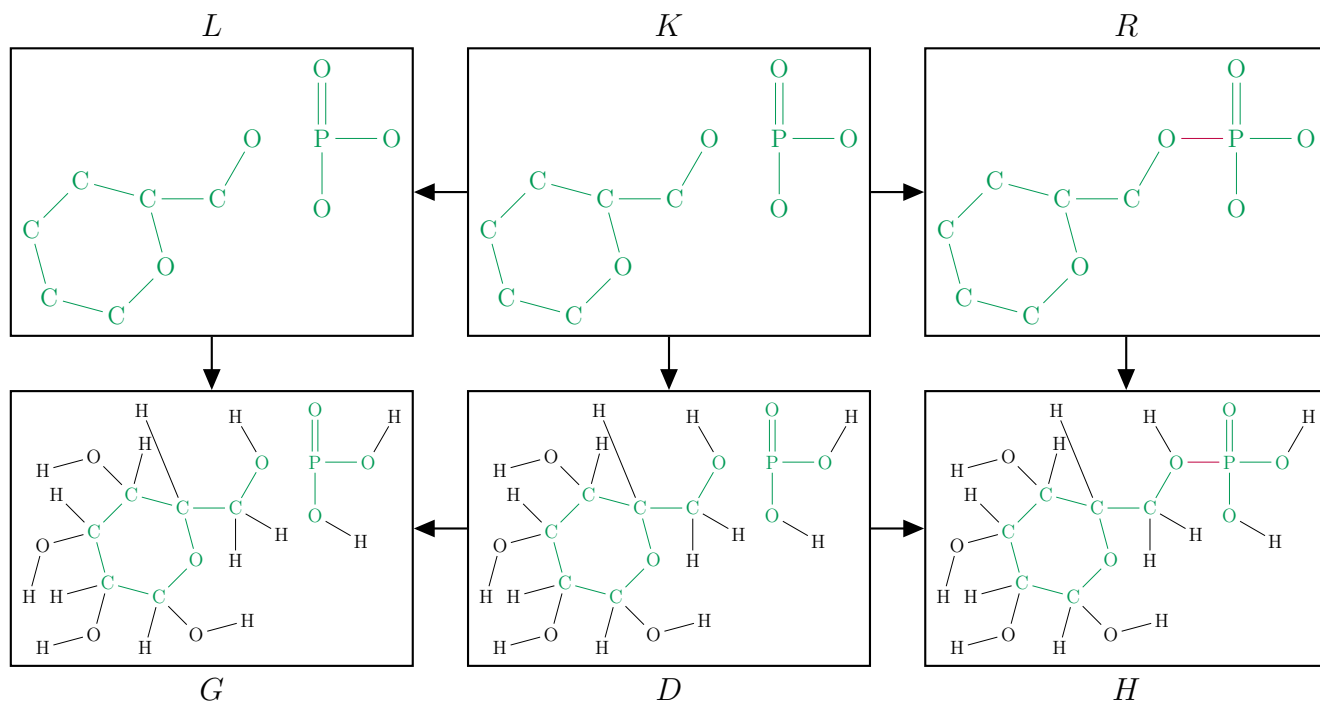Files: out/021_r_36_10100000_1_{derG,derD,derH}

0.6 Derivation 6, $\{\mathrm{Glc}, p_{0,1}\}$ -> $\{p_{0,2}\}$)

```
|{ e in outEdges(4) | label(e) in { '-' } }| = 2
|{ e in outEdges(1) | label(e) in { '-' } }| = 2
```

0.6.1 Match

0.6.2 Match

0.7 Derivation 8, $\{p_{0,2}\}$ -> $\{p_{0,3}\}$)

0.7.1 Match

0.8 Derivation 10, $\{p_{0,1}, p_{0,3}\}$ -> $\{p_{0,4}\})$

```
|{ e in outEdges(1) | label(e) in { '-' } }| = 2
```

0.8.1 Match

0.8.2 Match

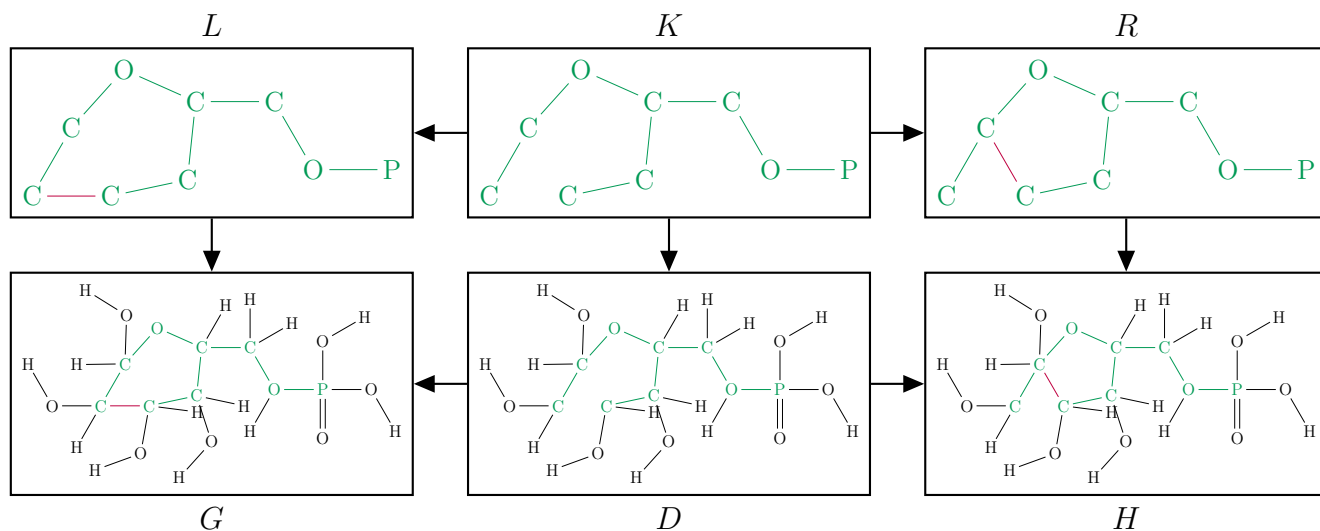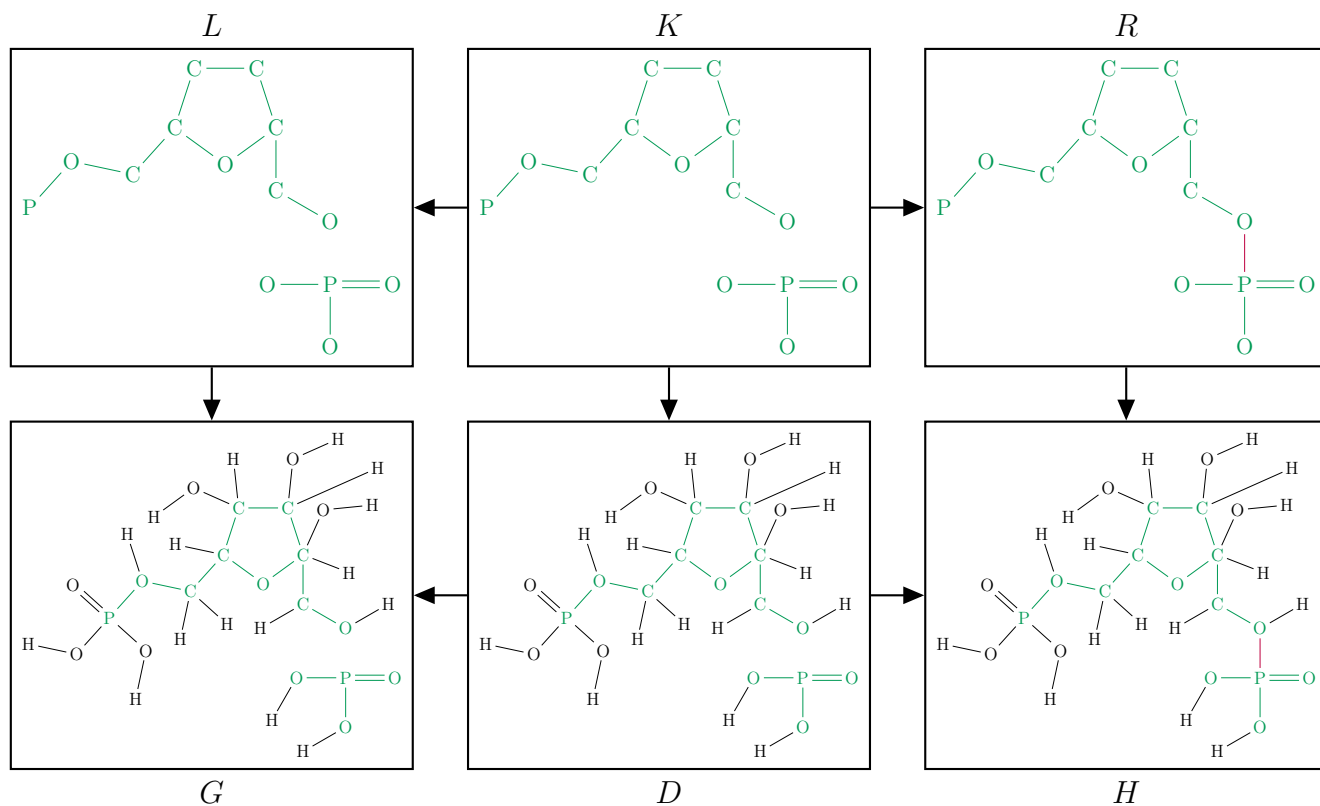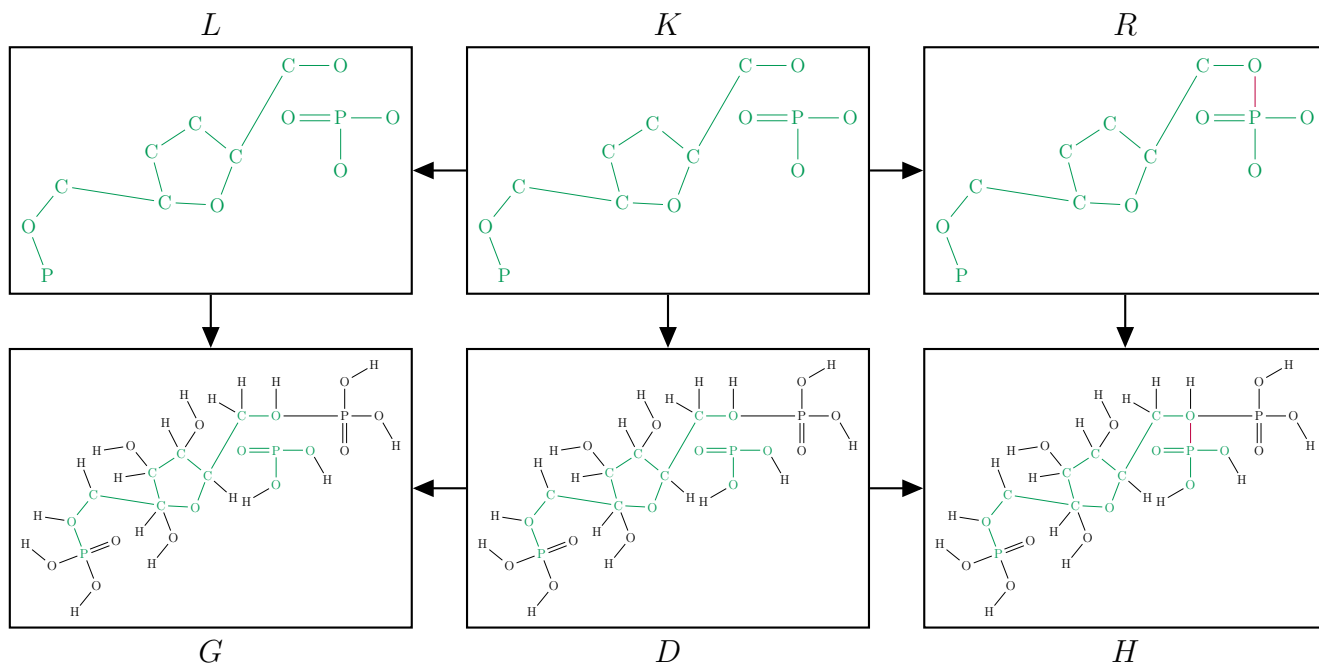

Files: out/036_r_63_10100000_1_{derL,derK,derR}
Files: out/037_r_63_10100000_1_{derG,derD,derH}

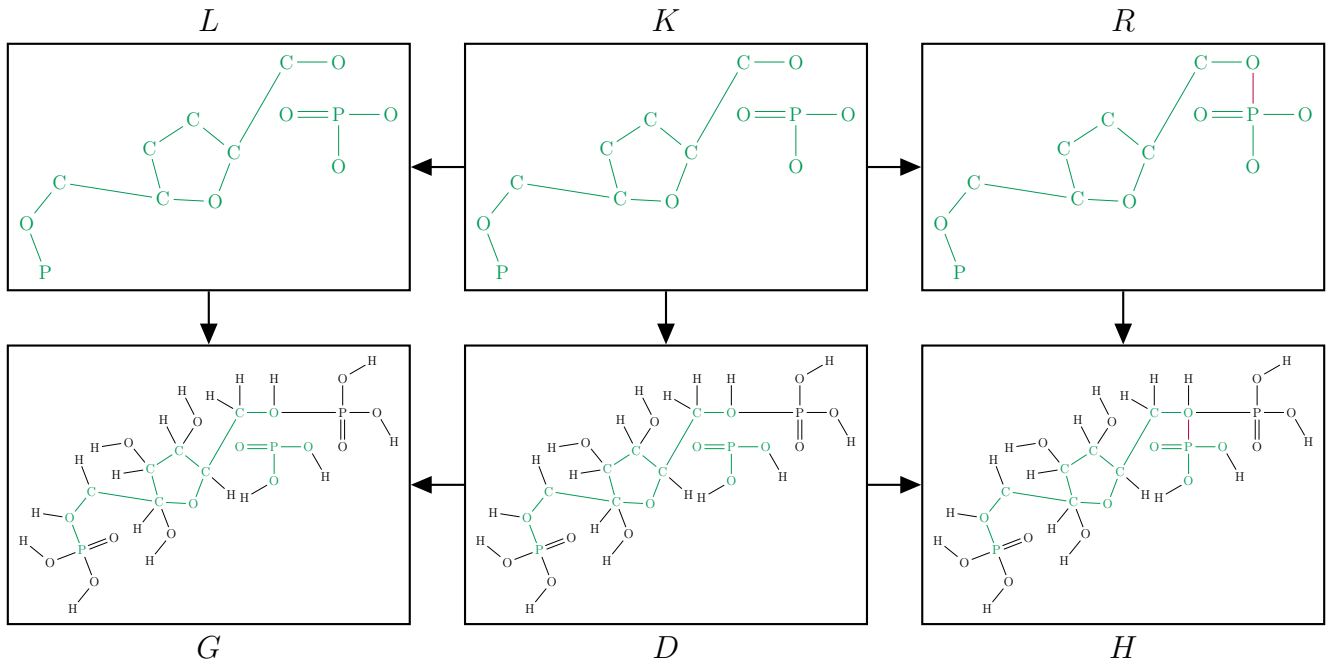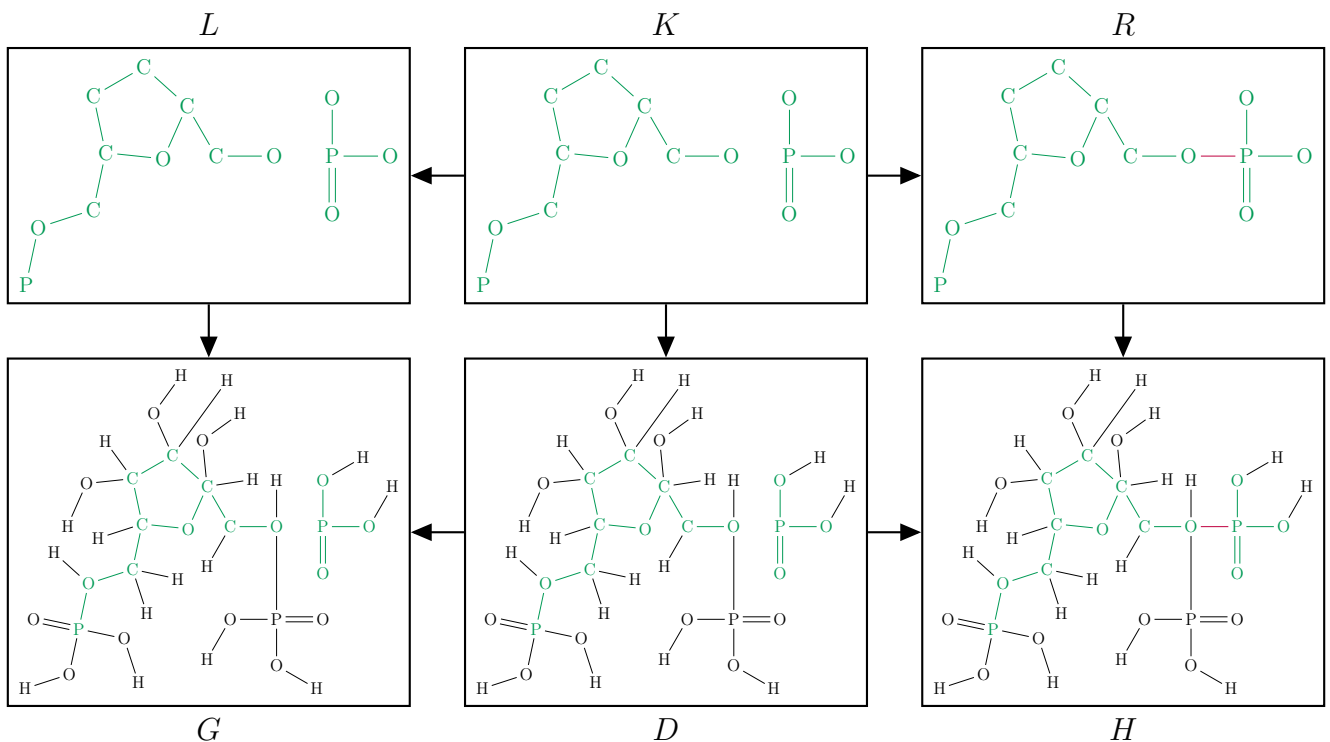## 0.9 Derivation 12, $\{p_{0,1}, p_{0,4}\}$ -> $\{p_{0,5}\}$)

```
|{ e in outEdges(1) | label(e) in { '-' } }| = 2
```

0.9.1 Match

Files: out/040_r_77_10100000_0_{derL,derK,derR}

0.9.2 Match

0.10 Derivation 14, $\{p_{0,1}, p_{0,4}\}$ -> $\{p_{0,6}\}$)

```
|{ e in outEdges(1) | label(e) in { '-' } }| = 2
```

0.10.1 Match
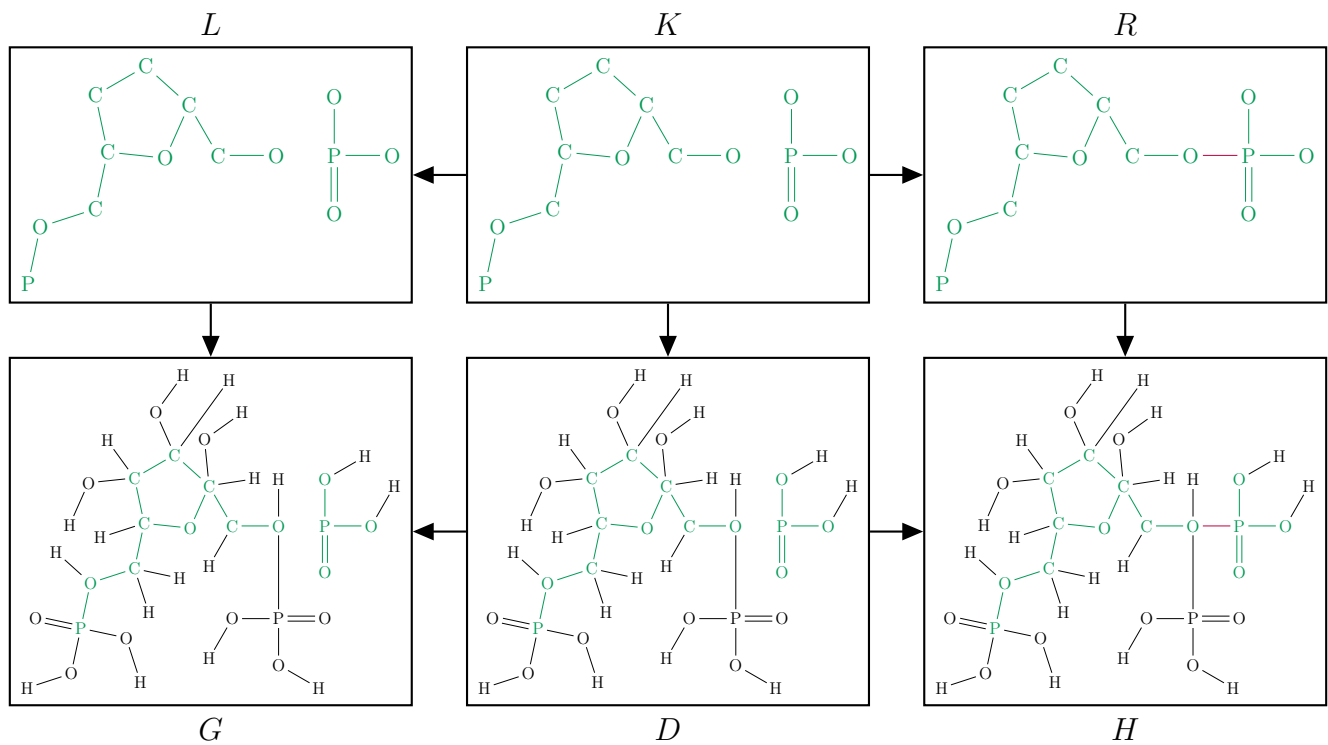
0.10.2 Match

0.11 Derivation 17, $\{p_{0,4}\}$ -> $\{p_{0,7},\ p_{0,8}\}$)
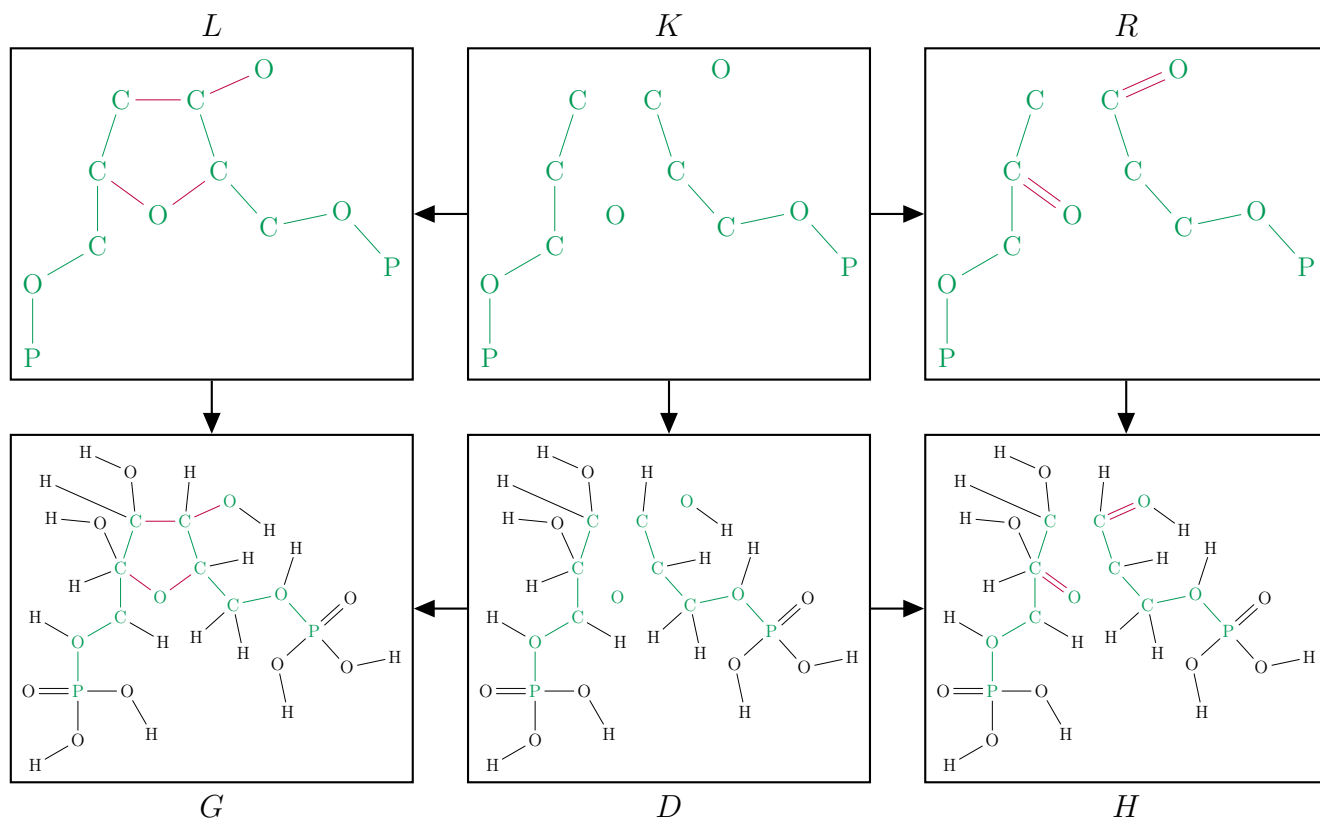
0.11.1 Match

0.12 Derivation 20, $\{p_{0,4}\}$ -> $\{p_{0,9}, p_{0,10}\}$)

0.12.1 Match
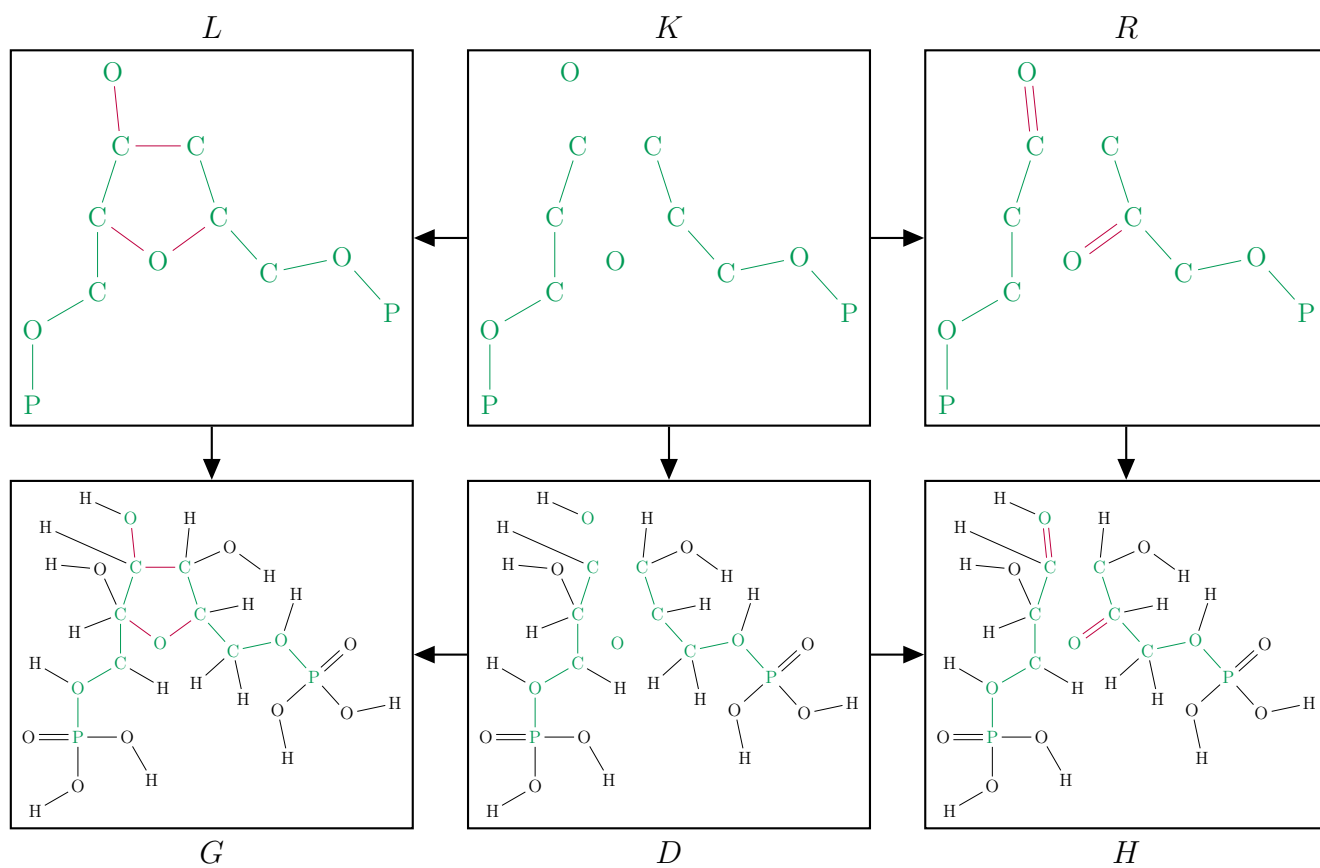
Files: out/056_r_163_10100000_0_{derL,derK,derR}
Files: out/057_r_163_10100000_0_{derG,derD,derH}